# Author Index to Volume 231
# January–March 1986

## A and B


Abelson, Philip H. (editorials): Evolving state-university-industry relations. v231 p317 24 Jan 86. Future supplies of energy and minerals (editorials). v231 p657 14 Feb 86. Global economic competition. v231 p1489 28 Mar 86. Greenhouse role of trace gases. v231 p1233 14 Mar 86. Planet Earth. v231 p101 10 Jan 86.

Adler, Berni. *See* Ceperley, David.

Adrion, W. Richards. *See* Jennings, Dennis M.

Aebersold, Ruedi. *See* Clark-Lewis, Ian.

Aguilera, Renato J. *See* Hope, Thomas J.

Ahlquist, Paul. *See* French, Roy.

Akers, Raymond F.; Lovinger, David M.; Colley, Patricia A.; Linden, David J.; Routtenberg, Aryeh: Translocation of protein kinase C activity may mediate hippocampal long-term potentiation. v231 p587–589 7 Feb 86.

Akers, Rebecca M.; Phillips, Carey R.; Wessells, Norman K.: Expression of an epidermal antigen used to study tissue induction in the early *Xenopus laevis* embryo. v231 p613–616 7 Feb 86.

Akim, E. L. *See* Alexandrov, Yu. N. *See also* Preston, R. A.

Alecrim, Graca C. *See* Barker, Robert H., Jr.

Alexander, Barbara M. *See* Prieve, Dennis C.

Alexandrov, Yu. N.; Crymov, A. A.; Kotelnikov, V. A.; Petrov, G. M.; Rzhiga, O. N.; Sidorenko, A. I.; Sinilo, V. P.; Zakharov, A. I.; Akim, E. L.; Basilevski, A. T.; Kadnichanski, S. A.; Tjuflin, Yu. S.; Venus: detailed mapping of Maxwell Montes region. v231 p1271–1273 14 Mar 86.

Alexandrov, Yu. N. *See* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).

Alfvén, Hannes: Filamentary structures (letter). v231 p907–908 28 Feb 86.

Allan, Jonathan S. *See* Kennedy, R. C. *See also* Lee, Tun-Hou.

Altunin, V. I. *See* Preston, R. A.

Anderson, Robert J. *See* Dillingham, Mark A.

Andersson, Malte: review of *The Tungara Frog*, by Michael J. Ryan. v231 p1317–1318 14 Mar 86.

Armand, N. A. *See* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).

Audhya, Tapan; Kroon, Daniel; Heavner, George; Viamontes, George; Goldstein, Gideon: Tripeptide structure of bursin, a selective B-cell–differentiating hormone of the bursa of Fabricius. v231 p997–999 28 Feb 86.

Avery, Dennis T.: The future of U.S. agriculture (letter). v231 p1492 28 Mar 86.

Avitts, Tommie A. *See* Everson, Richard B.

Awramik, Stanley M. and Vanyo, James P.: Heliotropism in modern stromatolites. v231 p1279–1281 14 Mar 86.

Axelrod, Julius. *See* Resine, Terry D.

Ayer, Don and Michael Yarus: The contest effect does not require a fourth base pair. v231 p393–395 24 Jan 86.

Aziz, M. A. *See* Cupp, E. W.

Badman, W. Sue. *See* Felix, Jeannette S.

Baker, Andrew. *See* Greene, Geoffrey L.

Bakitko, R. N. *See* Preston, R. A. *See also* Kremnev, R. S. *See also* Sagdeev, R. Z. (p1411).

Bakos, John T. *See* Prody, Gerry A.

Bamforth, D. B. *See* Dorn, Ronald I.

Barbet, Anthony F. *See* Palmer, Guy H.

Bardeen, John: Consultation on "Star Wars" (letter). v231 p203 17 Jan 86.

Bardis, Panos D.: The new format (letter). v231 p535–536 7 Feb 86.

Barker, Robert H., Jr.; Suebsaeng, Laksami; Rooney, William; Alecrim, Graca C.; Dourado, Heitor V.; Wirth, Dyann F.: Specific DNA probe for the diagnosis of *Plasmodium falciparum* malaria. v231 p1434–1436 21 Mar 86.

Barnes, Deborah M. (research news): Fetal mini-brain in peripheral nerve. v231 p1505 28 Mar 86. From genes to cognition. v231 p1066–1068 7 Mar 86. Lessons from snails and other models. v231 p1246–1249 14 Mar 86.

Barr, Philip J. *See* Power, Michael D.

Basilevski, A. T. *See* Alexandrov, Yu. N.

Baskett, Forest and Hennessy, John L.: Small shared-memory multiprocessors. v231 p963–967 28 Feb 86.

Battifora, Hector. *See* Yokota, Jun.

Beaudoin, R. L. *See* Mazier, D.

Becklin, E. E. *See* Rieke, G. H.

Beehler, Carl L. *See* Johnson, Kenneth S.

Bell, Eugene. *See* Weinberg, Crispin B.

Bender, Michael L. *See* Hess, Jennifer.

Bender, Mitchell. *See* Ostrow, Ronald S.

Benedict, Burton: review of *All the World's a Fair*, by Robert W. Rydell. v231 p164–165 10 Jan 86.

Benn, Steven. *See* Folks, Thomas.

Bensch, K. G. *See* Fleming, J. E.

Bernard, J. *See* Zagury, D.

Bernardo, M. J. *See* Cupp, E. W.

Bernays, E. A.: Diet-induced head allometry among foliate-chewing insects and its importance for graminivores. v231 p495–497 31 Jan 86.

Berzins, Klavs. *See* Udomsangpetch, Rachanee.

Biedler, June L. *See* Rettig, Wolfgang J.

Biggar, Robert J. *See* Goedert, James J.

Biraud, F. *See* Preston, R. A.

Bird, David F. and Kalff, Jacob: Bacterial grazing by planktonic lake algae. v231 p493–495 31 Jan 86.

Bishop, W. P. *See* Smith, W. L.

Bjerknes, Matthew; Cheng, Hazel; Ottaway, Clifford A.: Dynamics of lymphocyte-endothelial interactions in vivo. v231 p402–405 24 Jan 86.

Björkman, Anders. *See* Udomsangpetch, Rachanee.

Blake, M. C., Jr. *See* Tarduno, J. A.

Blamont, J. E.; Young, R. E.; Seiff, A.; Ragent, B.; Sagdeev, R.; Linkin, V. M.; Kerzhanovich, V. V.; Ingersoll, A. P.; Crisp, D.; Elson, L. S.; Preston, R. A.; Golitsyn, G. S.; Ivanov, V. N.: Implications of the VEGA balloon results for Venus atmospheric dynamics. v231 p1422–1425 21 Mar 86.

Blamont, J. E. *See* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Preston, R. A. *See also* Sagdeev, R. Z. (p1407). *See also* Sagdeev, R. Z. (p1411).

Blass, Elliott M. *See* Fillion, Thomas J.

Blattner, William A. *See* Goedert, James J.

Bloom, Floyd E. *See* Mancillas, Jorge R.

Blumenthal, David; Gluck, Michael; Louis, Karen Seashore; Wise, David: Industrial support of university research in biotechnology. v231 p242–246 17 Jan 86.

Bobrow, Daniel G. and Stefik, Mark J.: Perspectives on artificial intelligence programming. v231 p951–957 28 Feb 86.

Böck, August. *See* Stöffler-Meilicke, Marina.

Bock, Susan Clark. *See* Ghosh, Soumitra S.

Boersma, P. D.: Ingestion of petroleum by seabirds can serve as a monitor of water quality. v231 p373–376 24 Jan 86.

Bogomolov, A. F. *See* Preston, R. A.

Böhme, Claudia. *See* Stöffler-Meilicke, Marina.

Boischot, A. *See* Preston, R. A.

Boloh, L. *See* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).

Bond, Martha W. *See* Siegelman, Mark.

Booth, D. A. *See* Duggan, J. P.

Bordwell, B. *See* Shero, J. H.

Boss, Alan P.: The origin of the moon. v231 p341–345 24 Jan 86.

Bossomaier, Terry R. J. *See* Snyder, Allan W.

Bout, Daniel; Joseph, Michel; Pontet, Michel; Vorng, Han; Deslée, Didier; Capron, André: Rat resistance to schistosomiasis: platelet-mediated cytotoxicity induced by C-reactive protein. v231 p153–155 10 Jan 86.

Bradley, J. P. and Brownlee, D. E.: Cometary particles: thin sectioning and electron beam analysis. v231 p1542–1544 28 Mar 86.

Brandicourt, O. *See* Mazier, D.

Brattsten, L. B.; Holyoke, C. W., Jr.; Leeper, J. R.; Raffa, K. F.: Insecticide resistance: challenge to pest management and basic research. v231 p1255–1260 14 Mar 86.

Brauman, John I.: Computers (editorial). v231 p905 28 Feb 86.

Breckenridge, James: Dome or crater? (letter). v231 p10 3 jan 86.

Brezonik, Patrick L.: review of *Chemical Processes in Lakes*, edited by Werner Stumm. v231 p1202–1203 7 Mar 86.

Brinster, Ralph L. *See* Low, Malcolm J.

Brister, Keith E. *See* Vohra, Yogesh K.

Britten, Roy J.: Rates of DNA sequence evolution differ between taxonomic groups. v231 p1393–1398 21 Mar 86.

Broadus, A. E. *See* Merendino, J. J., Jr.

Brodde, Otto-Erich; Kretsch, Roland; Ikezona, Katsumi; Zerkowski, Hans-Reinhard; Reidemeister, Jürgen Christoph: Human β-adrenoceptors: relation of mycoardial and lymphocyte β-adrenoceptor density. v231 p1584–1585 28 Mar 86.

Brown, Frank K. *See* Houk, Kendall N.

Brown, Melissa A.; Glimcher, Laurie A.; Nielsen, Ellen A.; Paul, William E.; Germain, Ronald N.: T-cell recognition of Ia molecules selectively altered by a single amino acid substitution. v231 p255–258 17 Jan 86.

Brownlee, D. E. *See* Bradley, J. P.

Brownstein, Michael J. *See* Resine, Terry D.

Bruening, George. *See* Prody, Gerry A.

Bryant, Martin L. *See* Power, Michael D.

Buchholz, Wallace G. *See* Thomashow, Michael F.

Burk, Monroe: The scientific method (letter). v231 p659 14 Feb 86.
Burnett, J. C., Jr.; Kao, P. C.; Hu, D. C.; Heser, D. W.; Heublein, D.; Granger, J. P.; Opgenorth, T. J.; Reeder, G. S.: Atrial natriuretic peptide elevation in congestive heart failure in the human. v231 p1145–1147 7 Mar 86.
Burny, Arsene. *See* Sodroski, Joseph.
Burton, Mike: AIDS and female circumsicion (letter). v231 p1236 14 Mar 86.
Buse, J. B. *See* Hattori, M.
Buseck, Peter R. *See* Tomeoka, Kazushige.
Buzayan, Jamal M. *See* Prody, Gerry A.

## C

Cacheiro, N. L. A. *See* Rutledge, J. C.
Cahill, T. A. *See* Dorn, Ronald I.
Cain, K. T. *See* Rutledge, J. C.
Cant, John G. H.: review of *The Lesser Apes*, edited by Holger Preuschoft, David J. Chivers, Warren Y. Brockelman, and Norman Creel. v231 p65–66 3 Jan 86.
Cantley, Lewis. *See* Fleischman, Laurie F.
Capranica, Robert R. *See* Nowicki, Stephen.
Capron, André. *See* Bout, Daniel.
Carey, William D.: Annual report of the Executive Officer (AAAS). v231 p551–553 7 Feb 86.
Carlsson, Jan. *See* Udomsangpetch, Rachanee.
Carr, Michael H. *See* Squyres, Steven W.
Carratu, Luisella. *See* Medoff, Gerald.
Carson, B. *See* Kulm, L. D.
Cartwright, Christine A. *See* Cooper, Jonathan A.
Casey, James W. *See* Derse, David. *See also* Stephens, Robert M.
Cech, Thomas R. *See* Zaug, Arthur J.
Ceci, Stephen J.: review of *Cognitive Learning and Memory in Children*, edited by Michael Pressley and Charles J. Brainerd and *Basic Processes in Memory Development*, edited by Charles J. Brainerd and Michael Pressley. v231 p1452 21 Mar 86.
Cefalo, Robert C. *See* Everson, Richard B.
Celio, Marco R.: Parvalbumin in most γ-aminobutyric acid–containing neurons of the rat cerebral cortex. v231 p995–997 28 Feb 86.
Ceperley, David and Adler, Berni: Quantum Monte Carlo. v231 p555–560 7 Feb 86.
Chahwala, Suresh B. *See* Fleischman, Laurie F.
Chakraborty, G. *See* Shyne-Athwal, S.
Chang, Richard K. *See* Qian, Shi-Xiong.
Charlier, P. *See* Kelley, J. A.
Charoenvit, Y. *See* Mazier, D.
Chedid, L. *See* Mazier, D.
Chen, D. C. *See* Golden, D. C.
Cheng, Hazel. *See* Bjerknes, Matthew.
Cheynier, R. *See* Zagury, D.
Chidsey, Christopher E. D. and Murray, Royce W.: Electroactive polymers and macromolecular electronics. v231 p25–31 3 Jan 86.
Chigot, J. P. *See* Mazier, D.
Childress, James J. *See* Johnson, Kenneth S.
Choi, Yang Do; Grabowski, Paula J.; Sharp, Phillip A.; Dreyfuss, Gideon: Heterogeneous nuclear ribonucleoproteins: role in RNA splicing. v231 p1534–1539 28 Mar 86.
Chugani, Harry T. and Phelps, Michael E.: Maturational changes in cerebral function in infants determined by $^{18}$FDG positron emission tomography. v231 p840–843 21 Feb 86.
Clancy, L. L. *See* Furey, W. F.
Clark-Lewis, Ian; Aebersold, Ruedi; Ziltener, Herman; Schrader, John W.; Hood, Leroy E.; Kent, Stephen, B. H.: Automated chemical synthesis of a protein growth factor for hemopoietic cells, interleukin-3. v231 p134–139 10 Jan 86.
Claudio, Toni. *See* Fujita, Norihisa.
Clausen, John A.: review of *Social Support and Health*, edited by Sheldon Cohen and S. Leonard Syme. v231 p1315–1316 14 Mar 86.
Cline, Martin J. *See* Yokota, Jun.
Cloern, James E. *See* Nichols, Frederic H.
Coale, Ansley J. and Freedman, Ronald: Demography of China (letter). v231 p659–660 14 Feb 86.
Cochrane, G. R. *See* Kulm, L. D.
Coligan, John E. *See* Lee, Tun-Hou.
Colley, Patricia A. *See* Akers, Raymond F.
Collins, R. C. *See* Cupp, E. W.
Cook, H. E. *See* Tarduno, J. A.
Cook, L. M.; Mani, G. S.; Varley, M. E.: Postindustrial melanism in the peppered moth. v231 p611–613 7 Feb 86.
Cooper, Charles F.: Carbon dioxide enhancement of tree growth at high elevations (technical comment). v231 p859 21 Feb 86.
Cooper, Jonathan A.; Gould, Kathleen L.; Cartwright, Christine A.; Hunter, Tony: Tyr$^{527}$ is phosphorylated in pp60$^{c\text{-}src}$: implications for regulation. v231 p1431–1434 21 Mar 86.
Cooperman, Sharon. *See* Lechan, Ronald M.
Copeland, Terry D. *See* di Marzo Veronese, Fulvia.
Corballis, Michael C.: review of *Cerebral Lateralization in Nonhuman Species*, edited by Stanley D. Glick. v231 p1022–1023 28 Feb 86.
Cornett, C. V. *See* Rutledge, J. C.
Cort, S. P. *See* McDougal, J. S.
Cowley, J. M.: review of *The Beginnings of Electron Microscopy*. edited by Peter W. Hawkes. v231 p63 3 Jan 86.
Crawford, Mark (news & comment): Biotech market changing rapidly. v231 p12–14 3 Jan 86. Bloch pares '86 NSF grants across the board. v231 p1242–1243 14 Mar 86. Condor recovery effort hurt by strategy debate. v231 p213–214 17 Jan 86. End of the line for synfuels corporation. v231 p18 3 Jan 86. Fossil research faces sharp cutbacks in '87. v231 p332–333 24 Jan 86. Fuqua biotech bill sets stage for industry debate. v231 p1501 28 Mar 86. NBS plans to shut down source of new talent. v231 p544 7 Feb 86. OSTP ponders plant research initiatives. v231 p212 17 Jan 86. R&D lobby anxiously awaits budget action. v231 p789–790 21 Feb 86. Research coterie meets at NAS to assess budget. v231 p1239 14 Mar 86. Research pinched in first year of the Gramm-Rudman law era. v231 p443, 445 31 Jan 86. States seek remand of EPA waste regs. v231 p18 3 Jan 86. Utilities press Congress to salvage nuclear R&D. v231 p1241–1242 14 Mar 86.
Crecine, John P.: The next generation of personal computers. v231 p935–943 28 Feb 86.
Crews, David and Moore, Michael C.: Evolution of mechanisms controlling mating behavior. v231 p121–125 10 Jan 86.
Crisp, D. *See* Blamont, J. E. *See also* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Crosland, Michael W. J. and Crozier, Ross H.: *Myrmecia pilosula*, an ant with only one pair of chromosomes. v231 p1278 14 Mar 86.
Crowley, Thomas J.; Short, David A.; Mengel, John G.; North, Gerald R.: Role of seasonality in the evolution of climate during the last 100 million years. v231 p579–584 7 Feb 86.
Crozier, Ross H. *See* Crosland, Michael W. J.
Cruickshank, Alexander M.: Gordon Research Conferences. v231 p1162–1199 7 Mar 86.
Cryer, Philip E. and Gerich, John E.: The sympathochromaffin system and the pituitary-adrenocortical response to hypoglycemia (technical comment). v231 p501–502 31 Jan 86.
Crymov, A. A. *See* Alexandrov, Yu. N.
Culliton, Barbara J. (news & comment): McLean–AMI agree on joint venture. v231 p1363–1364 21 Mar 86. NIH faces $236-million budget cut in FY 1986. v231 p444 31 Jan 86.
Cupp, E. W.; Bernardo, M. J.; Kiszewski, A. E.; Collins, R. C.; Taylor, H. R.; Aziz, M. A.; Grene, B. M.: The effects of ivermectin on transmission of *Onchocerca volvulus*. v231 p740–742 14 Feb 86.
Curlin, Patricia S.: Volunteers help bring science alive at local museums (AAAS). v231 p619–620 7 Feb 86.

## D

Dallman, Mary F. and Greer, Monte A.: The sympathochromaffin system and the pituitary-adrenocortical response to hypoglycemia (technical comment). v231 p502 31 Jan 86.
D'Amato, Robert J.; Lipman, Zoe P.; Snyder, Solomon H.: Selectivity of the parkinsonian neurotoxin MPTP: toxic metabolite MPP$^+$ binds to neuromelanin. v231 p987–989 28 Feb 86.
Dascal, Nathan; Snutch, Terry P.; Lübbert, Hermann; Davidson, Norman; Lester, Henry A.: Expression and modulation of voltage-gated calcium channels after RNA injection in *Xenopus* oocytes. v231 p1147–1150 7 Mar 86.
Davidson, Edward S. *See* Kuck, David J.
Davidson, Norman. *See* Dascal, Nathan.
Davis, Chandler: Human rights and credibility (letter). v231 p908 28 Feb 86.
Davis, Randall: Knowledge-based systems. v231 p957–963 28 Feb 86.
Davis, William C. *See* Palmer, Guy H.
Derse, David and Casey, James W.: Two elements in the bovine leukemia virus long terminal repeat that regulates gene expression. v231 p1437–1440 21 Mar 86.
Deslée, Didier. *See* Bout, Daniel.
DeVico, Anthony L. *See* di Marzo Veronese, Fulvia.
Devol, Allan H. *See* Hedges, John I.
Dialynas, Deno. *See* Quertermous, Thomas.
Diaz, Manuel O.; Le Beau, Michelle M.; Pitha, Paula; Rowley, Janet D.: Interferon and c-*ets*-1 genes in the translocation (9;11)(p22;q23) in human acute monocytic leukemia. v231 p265–267 17 Jan 86.
Diaz, Manuel O. *See* Le Beau, Michelle M.
Dickson, David (news & comment): Abattoir-turned-museum opens for Halley's encounter. v231 p1501 28 Mar 86. Australia bids to reenter the space race. v231 p16–17 3 Jan 86. Britain, France play it safe on channel tunnel. v231 p540–541 7 Feb 86. Britain seeks to broaden debate on CERN's future. v231 p216 17 Jan 86. CERN agrees to independent review committee. v231 p1064–1065 7 Mar 86. Europe assesses its options. v231 p665 14 Feb 86. Europe joins forces on condensed matter. v231 p15 3 Jan 86. Europeans embrace technology assessment. v231 p541–542 7 Feb 86. France pushes Europe toward manned space flight. v231 p209–210 17 Jan 86. French science policy breaking 300-year mold. v231 p1060–1062 7 Mar 86. Nuclear reprocessing and "the

world's most radioactive sea." v231 p1500 28 Mar 86. Western countries' neglect of coal research criticized. v231 p1243 14 Mar 86.
Dideberg, O. *See* Kelley, J. A.
Diener, E.; Diner, U. E.; Sinha, A.; Xie, S.; Vergidis, R.: Specific immunosuppression by immunotoxins containing daunomycin. v231 p148–150 10 Jan 86.
DiGioia, Richard A. *See* Goedert, James J.
Dillingham, Mark A. and Anderson, Robert J.: Inhibition of vasopression action by atrial natriuretic factor. v231 p1572–1573 28 Mar 86.
di Marzo Veronese, Fulvia; Copeland, Terry D.; DeVico, Anthony L.; Rahman, Rukhsana; Oroszlan, Stephen; Gallo, Robert C.; Sarngadharan, M. G.: Characterization of highly immunogenic p66/p51 as the reverse transcriptase of HTLV-III/LAV. v231 p1289–1291 14 Mar 86.
Diner, U. E. *See* Diener, E.
Dixon, J. B. *See* Golden, D. C.
Dohrenwend, J. C. *See* Dorn, Ronald I.
Donahue, D. J. *See* Dorn, Ronald I.
Dorf, M. E. *See* Hattori, M.
Dorn, Ronald I.; Bamforth, D. B.; Cahill, T. A.; Dohrenwend, J. C.; Turrin, B. D.; Donahue, D. J.; Jull, A. J. T.; Long, A.; Macko, M. E.; Weil, E. B.; Whitley, D. S.; Zabel, T. H.: Cation-ratio and accelerator radiocarbon dating of rock varnish on Mojave artifacts and landforms. v231 p830–833 21 Feb 86.
Dourado, Heitor V. *See* Barker, Robert H., Jr.
Dowling, W. Jay: review of *The Musical Mind*, by John A. Sloboda. v231 p279 17 Jan 86.
Drabkin, Harry D. *See* Sacchi, Nicoletta.
Dreesman, G. R. *See* Kennedy, R. C.
Dreyfuss, Gideon. *See* Choi, Yang Do.
Driver, Olive: Shakespeare and statistics (letter). v231 p1355 21 Mar 86.
Druilhe, P. *See* Mazier, D.
DuBois, Garrett C. *See* Kan, Nancy C.
Duby, Allan D. *See* Quertermous, Thomas.
Duclos, Steven J. *See* Vohra, Yogesh K.
Dudley, R. M.: The Soviet "empire" (letter). v231 p1235 14 Mar 86.
Duez, C. *See* Kelley, J. A.
Dufilho, Joanne: The new format (letter). v231 p535 7 Feb 86.
Duggan, J. P. and Booth, D. A.: Obesity, overeating, and rapid gastric emptying in rats with ventromedial hypothalamic lesions. v231 p609–611 7 Feb 86.
Dulbecco, Renato: A turning point in cancer research: sequencing the human genome. v231 p1055–1056 7 Mar 86.
Dusart, J. *See* Kelley, J. A.
Dutta-Roy, Asim K.; Ray, Tarun K.; Sinha, Asru K.: Prostacyclin stimulation of the activation of blood coagulation factor X by platelets. v231 p385–388 24 Jan 86.
Dvorak, V. F. *See* Smith, W. L.

## E

Earnshaw, W. C. *See* Shero, J. H.
Easton, Thomas A.: Perfumes and preferences (letter). v231 p1235 14 Mar 86.
Ebbesen, Peter *See* Goedert, James J.
Ebihara, Shizufumi; Marks, Theodore; Hudson, David J.; Menaker, Michael: Genetic control of melantonin synthesis in the pineal gland of the mouse. v231 p491–493 31 Jan 86.
Ehrenfield, Ellie: review of *The Molecular Biology of Poliovirus*, by Friedrich Koch and Gebhard Koch. v231 p627 7 Feb 86.
Ehrin, Erling. *See* Farde, Lars.
Eisenbarth, G. S. *See* Hattori, M.
Eisenberger, P.: A 6-GeV storage ring: an advanced photon research facility. v231 p687–693 14 Feb 86.
Ekstrom, P. *See* Korf, H.-W.
Elliot, J. L. *See* French, R. G.
Ellis, J. *See* Preston, R. A.
Elmore, David. *See* Phillips, Fred M.
Elson, L. S. *See* Blamont, J. E. *See also* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Embley, R. W. *See* Kulm, L. D.
Epel, David: review of *Biology of Fertilization*, edited by Charles B. Metz and Alberto Monroy. v231 p625 7 Feb 86.
Ertel, John R. *See* Hedges, John I.
Essex, M. *See* Kennedy, R. C. *See also* Lee, Tun-Hou.
Evans, Jeremy N. S.; Tolman, Cynthia J.; Roberts, Mary F.: Indirect observation by $^{13}C$ NMR spectroscopy of a novel $CO_2$ fixation pathway in methanogens. v231 p488–491 31 Jan 86.
Everson, Richard B.; Randerath, Erika; Santella, Regina M.; Cefalo, Robert C.; Avitts, Tommie A.; Randerath, Kurt: Detection of smoking-related covalent DNA adducts in human placenta. v231 p54–57 3 Jan 86.
Eyster, M. Elaine. *See* Goedert, James J.

## F

Faras, Anthony J. *See* Ostrow, Ronald S.
Farber, David J. *See* Jennings, Dennis M.
Farde, Lars; Hall, Håkan; Ehrin, Erling; Sedvall, Göran: Quantitative analysis of D2 dopamine receptor binding in the living human brain by PET. v231 p258–261 17 Jan 86.
Farrington, John W. *See* Stegeman, John J.
Farwell, George W. *See* Hedges, John I.
Fauci, Anthony S. *See* Folks, Thomas.
Feldman, M. *See* Zagury, D.
Felix, Jeannette S. and Badman, W. Sue: Human DNA repository (letter). v231 p203 17 Jan 86.
Field, George and Spergel, David: Cost of space-based laser ballistic missile defense. v231 p1387–1393 21 Mar 86.
Fillion, Thomas J. and Blass, Elliott M.: Infantile experience with suckling odors determines adult sexual behavior in male rats. v231 p729–731 14 Feb 86.
Fink, B. Raymond: Complexity (letter). 231 p319 24 Jan 86.
Finley, S. G. *See* Preston, R. A.
Fitzgerald, William F. *See* Kim, Jonathan P.
Fitzhugh, William W.: review of *Prehistory of the Eastern Arctic*. v231 p506–507 31 Jan 86.
Fleischman, Laurie F.; Chahwala, Suresh B.; Cantley, Lewis: *Ras*-transformed cells: altered levels of phosphatidylinositol-4,5-bisphosphate and catabolites. v231 p407–410 24 Jan 86.
Fleming, J. E.; Quattrocki, E.; Latter, G.; Miquel, J.; Marcuson, R.; Zuckerkandl, E.; Bensch, K. G.: Age-dependent changes in proteins of *Drosophila melanogaster*. v231 p1157–1159 7 Mar 86.
Folks, Thomas; Powell, Douglas M.; Lightfoote, Marilyn M.; Benn, Steven; Martin, Malcolm A.; Fauci, Anthony S.: Induction of HTLV-III/LAV from a nonvirus-producing T-cell line: implications for latency. v231 p600–602 7 Feb 86.
Fox, Thomas D. *See* Fujita, Norihisa.
Fraipont, Cl. *See* Kelley, J. A.
Franchini, Genoveffa. *See* Kan, Nancy C.
Frank, Robert N.; Keirn, Richard J.; Keirn, Gail V.; Mancini, Michael A.; Khoury, Janet T.: Retinal dystrophy: development retarded by galactose feeding in spontaneously hypertensive rats. v231 p376–378 24 Jan 86.
Freedman, Ronald. *See* Coale, Ansley J.
French, R. G.; Kangas, J. A.; Elliot, J. L.: What perturbs the γ and δ rings of Uranus? v231 p480–483 31 Jan 86.
French, Roy; Janda, Michael; Ahlquist, Paul: Bacterial gene inserted in an engineered RNA virus: efficient expression in monocotyledonous plant cells. v231 p1294–1297 14 Mar 86.
Frère, J. M. *See* Kelley, J. A.
Fried, Victor A. *See* Siegelman, Mark. *See also* St. John, Tom.
Frierson, Manton. *See* Klopman, Gilles.
Fritts, Harold C. *See* LaMarche, Valmore C., Jr.
Froelich, Philip N. *See* Mortlock, Richard A.
Fuchs, Ira H. *See* Jennings, Dennis M.
Fujita, Norihisa; Nelson, Nathan; Fox, Thomas D.; Claudio, Toni; Lindstrom, Jon; Riezman, Howard; Hess, George P.: Biosynthesis of the *Torpedo californica* acetylcholine receptor α subunit in yeast. v231 p1284–1287 14 Mar 86.
Fukushima, Shoji. *See* Nishio, Yasunori.
Furey, W. F.; Robbins, A. H.; Clancy, L. L.; Winge, D. R.; Wang, B. C.; Stout, C. D.: Crystal structure of Cd,Zn metallothionein. v231 p704–710 14 Feb 86.

## G

Gabriel, Richard P.: Massively parallel computers: the connection machine and NON-VON. v231 p975–978 28 Feb 86.
Gale, Joseph: Carbon dioxide enhancement of tree growth at high elevations (technical comment). v231 p859–860 21 Feb 86.
Gallatin, W. Michael. *See* Siegelman, Mark. *See also* St. John, Tom.
Galley, B. *See* Mazier, D.
Gallo, Robert C. *See* di Marzo Veronese, Fulvia. *See also* Goedert, James J. *See also* Zagury, D.
Ganguly, K. *See* Kramer, R. A.
Gardner, L. R.: review of *The Chemistry of Weathering*, edited by James Irving Drever. v231 p627–628 7 Feb 86.
Gardner, Murray B. *See* Power, Michael D.
Gardner, Richard C. and Knauf, Vic C.: Transfer of *Agrobacterium* DNA to plants requires a T-DNA border but not the *vir*E locus. v231 p725–727 14 Feb 86.
Gasson, Judith C. *See* Le Beau, Michelle M.
Geiger, Roger L.: review of *The School and the University*, edited by Burton R. Clark. v231 p1200–1201 7 Mar 86.
Generoso, W. M. *See* Rutledge, J. C.
Gentilini, M. *See* Mazier, D.
Gerich, John E. *See* Cryer, Philip E.
Germain, Ronald N. *See* Brown, Melissa A.
Gery, I. *See* Korf, H.-W.
Ghosh, Soumitra S.; Bock, Susan Clark; Rokita, Steven E.; Kaiser, Emil Thomas: Modification of the active site of alkaline phosphatase by site-directed mutagenesis. v231 p145–148 10 Jan 86.
Ghuysen, J. M. *See* Kelley, J. A.
Gibbs, Christine F.: The new format (letter). v231 p535 7 Feb 86.

Gierschik, Peter. *See* Grunwald, Gerald B.
Gill, Grace. *See* Keegan, Liam.
Gillham, Nicholas W.: review of *Chlorplast Biogenesis*, edited by R. J. Ellis. v231 p874 21 Feb 86.
Gilna, Paul. *See* Greene, Geoffrey L.
Ginsberg, Mark H. *See* Pytela, Robert.
Ginzburg, Harold M. *See* Goedert, James J.
Giron, José A. *See* Goedert, James J.
Glimcher, L. *See* Hattori, M.
Glimcher, Laurie A. *See* Brown, Melissa A.
Gluck, Michael. *See* Blumenthal, David.
Gluckman, Marc J.; Hay, R. D.; Makowski, Lee: X-ray diffraction from magnetically oriented solutions of macromolecular assemblies. v231 p1273–1276 14 Mar 86.
Goedert, James J.; Biggar, Robert J.; Weiss, Stanley H.; Eyster, M. Elaine; Melbye, Mads; Wilson, Susan; Ginzburg, Harold M.; Grossman, Ronald J.; DiGioia, Richard A.; Sanchez, William C.; Giron, José A.; Ebbesen, Peter; Gallo, Robert C.; Blattner, William A.: Three-year incidence of AIDS in five cohorts of HTLV-III–infected risk group members. v231 p992–995 28 Feb 86.
Goh, Wei Chun. *See* Sodroski, Joseph.
Golde, David W. *See* Le Beau, Michelle M.
Golden, D. C.; Chen, D. C.; Dixon, J. B.: Synthesis of todorokite. v231 p717–719 14 Feb 86.
Goldstein, Gideon. *See* Audhya, Tapan.
Golitsyn, G. S. *See* Blamont, J. E.
Goodby, J. W.: Optical activity and ferroelectricity in liquid crystals. v231 p350–355 24 Jan 86.
Goodell, Warren F.: The new format (letter). v231 p535 7 Feb 86.
Goodman, Richard H. *See* Lechan, Ronald M. *See also* Low, Malcolm J.
Gorchankov, Yu. N. *See* Preston, R. A.
Gould, Kathleen L. *See* Cooper, Jonathan A.
Grabowski, Paula J. *See* Choi, Yang Do.
Granger, J. P. *See* Burnett, J. C., Jr.
Graybill, Donald A. *See* LaMarche, Valmore C., Jr.
Greb, G. Allen: review of *Counsels of War*, by Gregg Herken. v231 p504–505 31 Jan 86.
Greene, B. M. *See* Cupp, E. W.
Greene, Geoffrey L.; Gilna, Paul; Waterfield, Michael; Baker, Andrew; Hort, Yvonne; Shine, John: Sequence and expression of human estrogen receptor complementary DNA. v231 p1150–1154 7 Mar 86.
Greer, Monte A. *See* Dallman, Mary F.
Groopman, Jerome E. *See* Lee, Tun-Hou.
Grootes, Pieter M. *See* Hedges, John I.
Grossman, A. W. *See* Linkin, V. M. (p1417).
Grossman, Ronald J. *See* Goedert, James J.
Grunwald, Gerald B.; Gierschik, Peter; Nirenberg, Marshall; Spiegel, Allen: Detection of α-transducin in retinal rods but not cones. v231 p856–859 21 Feb 86.
Gusfield, Joseph: review of *Crime and Human Nature*, by James Q. Wilson and Richard J. Herrnstein. v231 p413–414 24 Jan 86.

## H

Habener, Joel F. *See* Low, Malcolm J.
Hagemeijer, Anne. *See* Sacchi, Nicoletta.
Hall, Håkan. *See* Farde, Lars.
Halperin, Bertrand I.: The 1985 Nobel Prize in Physics. v231 p820–822 21 Feb 86.
Hamburg, David A.: New risks of prejudice, ethnocentrism, and violence (editorial). v231 p533 7 Feb 86.
Hamer, Dean H. *See* Thiele, Dennis J.
Hammer, Robert E. *See* Low, Malcolm J.
Hardin, Garrett: The spaceplane (letter). v231 p783 21 Feb 86.
Harris, Arthur B.: *Titanic*—a Royal Mail Ship (letter). v231 p783 21 Feb 86.
Harvey, Scott. *See* Novotny, Milos.
Harwit, Martin: review of *Naissance et Enfance des Etoiles*, edited by Robert Lucas, Alain Omont, and Raymond Stora. v231 p1201–1202 7 Mar 86.
Haseltine, William. *See* Sodroski, Joseph.
Hattori, M.; Buse, J. B.; Jackson, R. A.; Glimcher, L.; Dorf, M. E.; Minami, M.; Makino, S.; Moriwaki, K.; Kuzuya, H.; Imura, H.; Strauss, W. M.; Seidman, J. G.; Eisenbarth, G. S.: The NOD mouse: recessive diabetogenic gene in the major histocompatibility complex. v231 p733–735 14 Feb 86.
Hay, R. D. *See* Gluckman, Marc J.
Hayden, C. M. *See* Smith, W. L.
Hayden, W. John: Genetic engineering (letter). v231 p103 10 Jan 86.
Heavner, George. *See* Audhya, Tapan.
Hedges, John I.; Ertel, John R.; Quay, Paul D.; Grootes, Pieter M.; Richey, Jeffrey E.; Devol, Allan H.; Farwell, George W.; Schmidt, Fred W.; Salati, Eneas: Organic carbon-14 in the Amazon River system. v231 p1129–1131 7 Mar 86.
Hendrickwon, Wayne A.: The 1985 Nobel Prize in Chemistry. v231 p362–364 24 Jan 86.
Henkel, R. D. *See* Kennedy, R. C.
Hennessy, John L. *See* Baskett, Forest.
Herschman, Arthur (AAAS): Computing through cognition. v231 p743–744 14 Feb 86. Food through policy. v231 p1015–1016 28 Feb 86. Philadelphia: where it all began. v231 p503 31 Jan 86.
Heser, D. W. *See* Burnett, J. C., Jr.
Hess, George P. *See* Fujita, Norihisa.
Hess, Jennifer; Bender, Michael L.; Schilling, Jean-Guy: Evolution of the ratio of strontium-87 to strontium-86 in seawater from Cretaceous to present. v231 p979–984 28 Feb 86.
Hess, Peter. *See* Rosenberg, Robert L.
Heublein, D. *See* Burnett, J. C., Jr.
Hildebrand, C. E. *See* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).
Hill, Christopher T.: The new format (letter). v231 p535 7 Feb 86.
Hochachka, P. W.: Defense strategies against hypoxia and hypothermia. v231 p234–241 17 Jan 86.
Hockmeyer, W. *See* Mazier, D.
Hoffmann, Michael R. *See* Munger, J. William.
Hoffmann, W. F. *See* Rieke, G. H.
Holden, Constance (news & comment): Environment and development. v231 p1494 28 Mar 86. OTA optimistic about scientific work force. v231 p215–216 17 Jan 86. Proposed new psychiatric diagnoses raise charges of gender bias. v231 p327–328 24 Jan 86. A revisionist look at population and growth. v231 p1493–1494 28 Mar 86. Soviets launch computer literacy drive. v231 p109–110 10 Jan 86. Working women still segregated and underpaid. v231 p449 31 Jan 86.
Holyoke, C. W., Jr. *See* Brattsten, L. B.
Holzer, Gunther. *See* Pond, Jean L.
Hood, Leroy E. *See* Clark-Lewis, Ian.
Hope, Thomas J.; Aguilera, Renato J.; Minie, Mark E.; Sakano, Hitoshi: Endonucleolytic activity that cleaves immunoglobulin recombination sequences. v231 p1141–1145 7 Mar 86.
Hort, Yvonne. *See* Greene, Geoffrey L.
Hoskin, Francis C. G.: The new format (letter). v231 p536 7 Feb 86.
Houck, J. R. *See* Rieke, G. H.
Houk, Kendall N.; Paddon-Row, Michael N.; Rondan, Nelson G.; Wu, Yun-Dong; Brown, Frank K.; Spellmeyer, David C.; Metz, James T.; Li, Yi; Loncharich, Richard J.: Theory and modeling of stereoselective organic reactions. v231 p1108–1117 7 Mar 86.
Howard, R. E.; Jackel, L. D.; Mankiewich, P. M.; Skocpol, W. J.: Electrons in silicon microstructures. v231 p346–349 24 Jan 86.
Howard, Russell J. *See* Marsh, Kevin.
Howell, Elizabeth E.; Villafranca, Jesus E.; Warren, Mark S.; Oatley, Stuart J.; Kraut, Joseph: Functional role of aspartic acid–27 in dihydrofolate reductase revealed by mutagenesis. v231 p1123–1128 7 Mar 86.
Hoy, Ronald R. *See* Yager, David D.
Hu, D. C. *See* Burnett, J. C., Jr.
Hubbard, W. B.: 1981N1: a Neptune arc? v231 p1276–1278 14 Mar 86.
Hudson, David J. *See* Ebihara, Shizufumi.
Huger, A. M. *See* Werren, John H.
Hughes, Austin. *See* Snyder, Allan W.
Hugly, Suzanne. *See* Thomashow, Michael F.
Hunter, Tony. *See* Cooper, Jonathan A.

## I and J

Ikezona, Katsumi. *See* Brodde, Otto-Erich.
Ingersoll, A. P. *See* Blamont, J. E. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Ingoglia, N. A. *See* Shyne-Athwal, S.
Insogna, K. L. *See* Merendino, J. J., Jr.
Ivanov, N. M. *See* Preston, R. A.
Ivanov, V. N. *See* Blamont, J. E.
Izumo, Seigo; Nadal-Ginard, Bernardo; Mahdvi, Vijak: All members of the MHC multigene family respond to thyroid hormone in a highly tissue-specific manner. v231 p597–600 7 Feb 86.
Jablonski, David: Background and mass extinctions: the alternation of macroevolutionary regimes. v231 p129–133 10 Jan 86.
Jackel, L. D. *See* Howard, R. E.
Jackson, Ivor M. D. *See* Lechan, Ronald M.
Jackson, R. A. *See* Hattori, M.
Janda, Michael. *See* French, Roy.
Jannik, Nancy O. *See* Phillips, Fred M.
Jarzen, D. M. *See* Nichols, D. J.
Jemiolo, Bozena. *See* Novotny, Milos.
Jennings, Dennis M.; Landweber, Lawrence H.; Fuchs, Ira H.; Farber, David J.; Adrion, W. Richards: Computer networking for scientists. v231 p943–950 28 Feb 86.
Jewell, D. C.: Mexican seed bank (letter). v231 p1355 21 Mar 86.
Johnson, D. W. *See* Lindberg, S. E.
Johnson, Jeffrey A.: review of *Cultural Imperialism and Exact Sciences*, by Lewis Pyenson. v231 p414–415 24 Jan 86.
Johnson, Kenneth S.; Beehler, Carl L.; Sakamoto-Arnold, Carole M.; Childress, James J.: In situ measurements of chemical distributions in a deep-sea hydrothermal vent field. v231 p1139–1141 7 Mar 86.
Jollie, Malcolm: Graduate students in math (letter). v231 p442 31 Jan 86.
Jones, Douglas S.; Williams, Douglas F.; Romanek, Christopher S.: Life history of symbiont-bearing giant clams from stable isotope profiles. v231 p46–48 3 Jan 86.
Joris, B. *See* Kelley, J. A.
Joseph, Michel. *See* Bout, Daniel.
Jull, A. J. T. *See* Dorn, Ronald I.

## K

Kadko, D. C. *See* Kulm, L. D.
Kadnichanski, S. S. *See* Alexandrov, Yu. N.
Kaiser, Emil Thomas. *See* Ghosh, Soumitra S.
Kakizoe, Tadao. *See* Nishio, Yasunori.
Kalff, Jacob. *See* Bird, David F.
Kalos, Alex. *See* Klopman, Gilles.
Kan, Nancy C.; Franchini, Genoveffa; Wong-Staal, Flossie; DuBois, Garrett C.; Robey, W. Gerard; Lautenberger, James A.; Papas, Takis S.: Identification of HTLV-III/LAV *sor* gene product and detection of antibodies in human sera. v231 p1553–1555 28 Mar 86.
Kangas, J. A. *See* French, R. G.
Kao, P. C. *See* Burnett, J. C., Jr.
Keegan, Liam; Gill, Grace; Ptashne, Mark: Separation of DNA binding from the transcription-activating function of a eukaryotic regulatory protein. v231 p699–704 14 Feb 86.
Keirn, Gail V. *See* Frank, Robert N.
Keirn, Richard J. *See* Frank, Robert N.
Kelley, J. A.; Dideberg, O.; Charlier, P.; Wery, J. P.; Libert, M.; Moews, P. C.; Knox, J. R.; Duez, C.; Fraipont, Cl.; Joris, B.; Dusart, J.; Frère, J. M.; Ghuysen, J. M.: On the origin of bacterial resistance to penicillin: comparison of a β-lactamase and a penicillin target. v231 p1429–1431 21 Mar 86.
Kellogg, William W.: The future of U.S. agriculture (letter). v231 p1491 28 Mar 86.
Kennedy, Eugene P. *See* Miller, Karen J.
Kennedy, M. S. *See* McDougal, J. S.
Kennedy, R. C.; Henkel, R. D.; Pauletti, D.; Allan, J. S.; Lee, T. H.; Essex, M.; Dreesman, G. R.: Antiserum to a synthetic peptide recognizes the HTLV-III envelope glycoprotein. v231 p1556–1559 28 Mar 86.
Kent, Stephen, B. H. *See* Clark-Lewis, Ian.
Kerr, Richard A. (research news): Chinook winds resemble water flowing over a rock. v231 p1244–1245 14 Mar 86. Giotto finds a big black snowball at Halley. v231 p1502–1503 28 Mar 86. How to stir up a deep-sea storm. v231 p117 10 Jan 86. Long Valley is quiet but still bulging. v231 p117 10 Jan 86. Methane doubling upheld. v231 p31 3 Jan 86. Parkfield earthquake looks to be on schedule. v231 p116 10 Jan 86. A search for another San Andreas. v231 p116–117 10 Jan 86. Sinking slabs puncture layered mantle model. v231 p548–549 7 Feb 86. The sun is fading. v231 p339 24 Jan 86. VEGA's 1 and 2 visit Halley. v231 p1366 21 Mar 86. Voyager finds Uranian shepherds and a well-behaved flock of rings. v231 p793–796 21 Feb 86. Weather balloons at Venus. v231 p1369 21 Mar 86. Where to put the missing Venusian ocean. v231 p798 21 Feb 86.
Kerry, John F.: U.S. science and technology (letter). v231 p907 28 Feb 86.
Kersey, John. *See* Sacchi, Nicoletta.
Kerzhinovich, V. V. *See* Blamont, J. E. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).
Kett, Joseph F.: review of *Learning To Heal*, by Kenneth M. Ludmerer. v231 p873 21 Feb 86.
Khoury, Janet T. *See* Frank, Robert N.
Kim, Jonathan P. and Fitzgerald, William F.: Sea-air partitioning of mercury in the equatorial Pacific Ocean. v231 p1131–1133 7 Mar 86.
Kimmel, Charles B. and Warga, Rachel M.: Tissue-specific cell lineages originate in the gastrula of the zebrafish. v231 p365–368 24 Jan 86.
Kinsley, Craig H.: The new format (letter). v231 p563 7 Feb 86.
Kirk, David I. and Kirk, Marilyn M.: Heat shock elicits production of sexual inducer in *Volvox*. v231 p51–54 3 Jan 86.
Kirk, Marilyn M. *See* Kirk, David I.
Kiszewski, A. E. *See* Cupp, E. W.
Klein, D. C. *See* Korf, H.-W.
Kloepper-Sams, Pamela J. *See* Stegeman, John J.
Klopman, Gilles; Kalos, Alex; Frierson, Manton; Rosenkranz, Herbert S.: Mutagenicity of spy dust (letter). v231 p442 31 Jan 86.
Knauf, Vic C. *See* Gardner, Richard C.
Knoll, Andrew H.: review of *Paleoalgology*, edited by D. F. Toomey and M. H. Nitecki. v231 p415 24 Jan 86.
Knox, J. R. *See* Kelley, J. A.
Kobayashi, George S. *See* Medoff, Gerald.
Kogan, L. A. *See* Preston, R. A.
Kohl, Philip L. *See* Patterson, Thomas C.
Kolata, Gina (research news): Blindness of prematurity unexplained. v231 p30–32 3 Jan 86. New test finds "certified" primes in record time. v231 p452–453 31 Jan 86. Reducing risk: a change of heart? v231 p669–670 14 Feb 86. Shakespeare's new poem: an ode to statistics. v231 p335–336 24 Jan 86. Solving knotty problems in math and biology, v231 p1506–1508 28 Mar 86. What does it mean to be random? v231 p1068–1070 7 Mar 86. Why do cancer cells resist drugs? v231 p220–221 17 Jan 86. (news and comment): Reye's data to be turned over to company. v231 p112 10 Jan 86. (letter): Shakespeare and statistics. v231 p1355 21 Mar 86.
Korf, H.-W.; Oksche, A.; Ekstrom, P.; Gery, I.; Zigler, J. S., Jr.; Klein, D. C.: Pinealocyte projections into the mammalian brain revealed with S-antigen antiserum. v231 p735–737 14 Feb 86.
Koshland, Daniel E., Jr. (editorials): Ballooning around Venus. v231 p1349 21 Mar 86. A new look. v231 p9 3 Jan 86. A serious parlor game. v231 p441 31 Jan 86. Sources for new scientists. v231 p1053 7 Mar 86.
Kostenko, V. I. *See* Preston, R. A.
Kotelnikov, V. A. *See* Alexandrov, Yu. N.
Kovesdi, Imre; Reichel, Ronald; Nevins, Joseph R.: E1A transcription induction: enhanced binding of a factor to upstream promoter sequences. v231 p719–722 14 Feb 86.
Kramer, R. A.; Schaber, M. D.; Skalka, A. M.; Ganguly, K.; Wong-Staal, F.; Reddy, E. P.: HTLV-III *gag* protein is processed in yeast cells by the virus *pol*-protease. v231 p1580–1584 28 Mar 86.
Kraut, Joseph. *See* Howell, Elizabeth E.
Kremnev, R. S.; Linkin, V. M.; Lipatov, A. N.; Pichkadze, K. M.; Shurupov, A. A.; Terterashvili, A. V.; Bakitko, R. V.; Blamont, J. E.; Malique, C.; Ragent, B.; Preston, R. A.; Elson, L. S.; Crisp, D.:VEGA balloon system and instrumentation. v231 p1408–1411 21 Mar 86.
Kretsch, Roland. *See* Brodde, Otto-Erich.
Kroon, Daniel. *See* Audhya, Tapan.
Kubik, Peter W. *See* Phillips, Fred M.
Kuck, David J.; Davidson, Edward S.; Lawrie, Duncan H.; Sameh, Ahmed H.: Parallel supercomputing today and the Cedar approach. v231 p967–974 28 Feb 86.
Kulm, L. D.; Suess, E.; Moore, J. C.; Carson, B.; Lewis, B. T.; Ritger, S. D.; Kadko, D. C.; Thornburg, T. M.; Embley, R. W.; Rugh, W. D.; Massoth, G. J.; Langseth, M. G.; Cochrane, G. R.; Scamman, R. I.: Oregon subduction zone: venting, fauna, and carbonates. v231 p561–566 7 Feb 86.
Kurtz, Stephen; Rossi, Janice; Petko, Lawrence; Lindquist, Susan: An ancient developmental induction: heat-shock proteins induced in sporulation and oogenesis. v231 p1154–1157 7 Mar 86.
Kuzirian, Alan M. *See* Morse, M. Patricia.
Kuzuya, H. *See* Hattori, M.

## L

Lai, Sing-Ping. *See* Overbeek, Paul A.
LaMarche, Valmore C., Jr.; Graybill, Donald A.; Fritts, Harold C.; Rose, Martin R.: Carbon dioxide enhancement of tree growth at high elevations (technical comment). v231 p860 21 Feb 86.
Landò, Luca. *See* Zucker, Robert S.
Landweber, Lawrence H. *See* Jennings, Dennis M.
Lange, Louis G. *See* Laposata, Elizabeth A.
Langille, B. Lowell and O'Donnell, Frank: Reductions in arterial diameter produced by chronic decreases in blood flow are endothelium-dependent. v231 p405–407 24 Jan 86.
Langseth, M. G. *See* Kulm, L. D.
Langworthy, Thomas A. *See* Pond, Jean L.
Laposata, Elizabeth A. and Lange, Louis G.: Presence of nonoxidative ethanol metabolism in human organs commonly damaged by ethanol abuse. v231 p497–499 31 Jan 86.
Larson, Richard A. *See* Le Beau, Michelle M.
Latter, G. *See* Fleming, J. E.
Laurans, G. *See* Preston, R. A.
Lautenberger, James A. *See* Kan, Nancy C.
Lawrie, Duncan H. *See* Kuck, David J.
Le Beau, Michelle M. *See* Diaz, Manuel O.
——, Westbrook, Carol A.; Diaz, Manuel O.; Larson, Richard A.; Rowley, Janet D.; Gasson, Judith C.; Golde, David W.; Sherr, Charles J.: Evidence for the involvement of *GM-CSF* and *FMS* in the deletion (5q) in myeloid disorders. v231 p984–987 28 Feb 86.
Le Douarin, Nicole M.: Cell line segregation during peripheral nervous system ontogeny. v231 p1515–1522 28 Mar 86.
Le Fevre, Carol. *See* Yokota, Jun.
Leavy, Brian D. *See* Phillips, Fred M.
Lechan, Ronald M.; Wu, Ping; Jackson, Ivor M. D.; Wolf, Hugh; Cooperman, Sharon; Mandel, Gail; Goodman, Richard H.: Thyrotropin-releasing hormone precursor: characterization in rat brain. v231 p159–161 10 Jan 86.
Lechan, Ronald M. *See* Low, Malcolm J.
Lee, Shin-ying. *See* Stevenson, Harold W.
Lee, T. H. *See* Kennedy, R. C.
Lee, Tun-Hou; Coligan, John E.; Allan, Jonathan S.; McLane, Mary F.; Groopman, Jerome E.; Essex, M.: A new HTLV-III/LAV protein encoded by a gene found in cytopathic retroviruses. v231 p1546–1549 28 Mar 86.
Leeper, J. R. *See* Brattsten, L. B.
Leonard, R. *See* Zagury, D.
Leslie, Stuart W.: review of *Military Enterprise and Technological Change*, edited by Merritt Roe Smith. v231 p277–278 17 Jan 86.
Lester, Henry A. *See* Dascal, Nathan.
Levinton, Jeffrey: Punctuated equilibrium (letter). v231 p1490 28 Mar 86.
Lewin, Roger (research news): Dexterous early hominids. v231 p115 10 Jan 86. Mass extinctions select different victims. v231 p219–220 17 Jan 86. Polynesians' litter gives clues to islands' history. v231 p453–454 31 Jan 86.

Punctuated equilibrium is now old hat. v231 p672–673 14 Feb 86. RNA catalysis gives fresh perspective on the origins of life. v231 p545–546 7 Feb 86. When stones can be deceptive. v231 p113–115 10 Jan 86. (news & comment): Bitter residue from archeology congress. v231 p1499–1500 28 Mar 86. British committee rebuked over archaeology congress. v231 p448 31 Jan 86. Creationism downed again in Louisiana. v231 p112 10 Jan 86.
Lewis, B. T. *See* Kulm, L. D.
Li, Yi. *See* Houk, Kendall N.
Libert, M. *See* Kelley, J. A.
Lightfoote, Marilyn M. *See* Folks, Thomas.
Lindberg, S. E.; Lovett, G. M.; Richter, D. D.; Johnson, D. W.: Atmospheric deposition and canopy interactions of major ions in a forest. v231 p141–145 10 Jan 86.
Lindemann, Julianne; Warren, Gareth J.; Suslow, Trevor V.: Ice-nucleating bacteria. v231 p536 7 Feb 86.
Linden, David J. *See* Akers, Raymond F.
Lindquist, Susan. *See* Kurtz, Stephen.
Lindstrom, Jon. *See* Fujita, Norihisa.
Linke, Uli: AIDS in Africa (letter). v231 p203 17 Jan 86.
Linkin, V. M.; Kerzhanovich, V. V.; Lipatov, A. N.; Pichkadze, K. M.; Shurupov, A. A.; Terterashvili, A. V.; Ingersoll, A. P.; Crisp, D.; Grossman, A. W.; Young, R. E.; Seiff, A.; Ragent, B.; Blamont, J. E.; Elson, L. S.; Preston, R. A.: VEGA balloon dynamics and vertical winds in the Venus middle cloud region. v231 p1417–1419 21 Mar 86.
Linkin, V. M.; Kerzhanovich, V. V.; Lipatov, A. N.; Shurupov, A. A.; Seiff, A.; Ragent, B.; Young, R. E.; Ingersoll, A. P.; Crisp, D.; Elson, L. S.; Preston, R. A.; Blamont, J. E.: Thermal structure of the Venus atmosphere in the middle cloud layer. v231 p1420–1422 21 Mar 86.
Linkin, V. M. *See* Blamont, J. E. *See also* Kremnev, R. S. *See also* Preston, R. A. *See also* Sagdeev, R. Z. (p 1407). *See also* Sagdeev, R. Z. (p1411).
Liotta, Dennis and Monahan, Robert, III: Selenium in organic synthesis. v231 p356–361 24 Jan 86.
Lipatov, A. N. *See* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Lipman, Zoe P. *See* D'Amato, Robert J.
Lipps, Jere H.: review of *Marine Micropaleontology of China*, by Wang Pinxian *et al.*, and *Acta Micropalaeontologica Sinica*, edited by Sheng Jin-zhang. v231 p165–166 10 Jan 86.
Lisowski, M. *See* Savage, J. C.
Livingston, Katherine: review of *Ecology of Mosquitoes*, edited by L. P. Lounibos, J. R. Rey, and J. H. Frank. v231 p1203 7 March 86. review of *Economic and Medicinal Plant Research*, edited by H. Wagner, Hiroshi Hikino, and Norman R. Farnsworth. v231 p280 17 Jan 86. review of *Haldane*, by Krishna R. Dronamraju. v231 p279–280 17 Jan 86. review of *Search for the Universal Ancestors*, edited by H. Hartman, J. G. Lawless, and P. Morrison. v231 p1203 7 Mar 86. review of *Sixth International Conference on Collective Phenomena*, edited by Inga Fischer-Hjalmars and Joel L. Lebowitz. v231 p1203 7 Mar 86. review of *The Evolutionary Process*, by Verne Grant. v231 p280 17 Jan 86.
Loncharich, Richard J. *See* Houk, Kendall N.
Long, A. *See* Dorn, Ronald I.
Louis, Karen Seashore. *See* Blumenthal, David.
Lovett, G. M. *See* Lindberg, S. E.
Lovinger, David M. *See* Akers, Raymond F.
Low, F. J. *See* Rieke, G. H.
Low, Maicolm J.; Lechan, Ronald M.; Hammer, Robert E.; Brinster, Ralph L.; Habener, Joel F.; Mandel, Gail; Goodman, Richard H.: Gonadotroph-specific expression of metallothionein fusion genes in pituitaries of transgenic mice. v231 p1002–1004 28 Feb 86.
Luciw, Paul A. *See* Power, Michael D.
Lübbert, Hermann. *See* Dascal, Nathan.
Lundgren, Katarina. *See* Udomsangpetch, Rachanee.
Luoma, Samuel N. *See* Nichols, Frederic H.
Luttges, Marvin. *See* Somps, Chris.

## M

Macko, M. E. *See* Dorn, Ronald I.
Mac Lane, Saunders: The National Science Board (letter). v231 p103 10 Jan 86.
Mahdvi, Vijak. *See* Izumo, Seigo.
Makino, S. *See* Hattori, M.
Makowski, Lee. *See* Gluckman, Marc J.
Malique, C. *See* Kremnev, R. S.
Mancillas, Jorge R.; Siggins, George R.; Bloom, Floyd E.: Systemic ethanol: selective enhancement of responses to acetylcholine and somatostatin in hippocampus. v231 p161–163 10 Jan 86.
Mancini, Michael A. *See* Frank, Robert N.
Mandel, Gail. *See* Lechan, Ronald M. *See also* Low, Malcolm J.
Mani, G. S. *See* Cook, L. M.
Mankiewich, P. M. *See* Howard, R. E.
Manso, C. *See* Will, H.
Marchlewska-Koj, Anna. *See* Novotny, Milos.
Marcuson, R. *See* Fleming, J. E.
Maresca, Bruno. *See* Medoff, Gerald.
Marks, Theodore. *See* Ebihara, Shizufumi.
Marrett, Cora Bagley: review of *Black Scientists, White Society, and Colorless Science*, by Willie Pearson, Jr. v231 p505–506 31 Jan 86.
Marsh, Kevin and Howard, Russell J.: Antigens induced on erythrocytes by *P. falciparum*: expression of diverse and conserved determinants. v231 p150–153 10 Jan 86.
Marshall, Eliot (news & comment): After the spydust settled . . .. v231 p1062–1063 7 Mar 86. Appeals court backs Gould's laser claim. v231 p214 17 Jan 86. Diet advice, with a grain of salt and a large helping of pepper. v231 p537–539 7 Feb 86. Dinosaurs ruffle some feathers in California. v231 p18–19 3 Jan 86. DOE's way-out reactors. v231 p1357–1359 21 Mar 86. High selenium levels confirmed in six states. v231 p111 10 Jan 86. NASA and military press for a spaceplane. v231 p105–107 10 Jan 86. Rancho Seco reactor suffers another mishap. v231 p334 24 Jan 86. The renewed trade war over Japanese chips. v231 p1499 28 Mar 86. Shooting plutonium into space. v231 p1358–1359 21 Mar 86. The shuttle record: risks, achievements. v231 p664–666 14 Feb 86. A SWAT team for nuclear accidents. v231 p913–914 28 Feb 86. (letter): The spaceplane. v231 p783 21 Feb 86.
Martin, G. Steven. *See* Schieven, Gary.
Martin, Malcolm A. *See* Folks, Thomas.
Marx, Jean L. (research news): AIDS drug shows promise in preliminary clinical trial v231 p1504–1505 28 Mar 86. Cell lineages traced in zebrafish embryos. v231 p340 24 Jan 86. How killer cells kill their targets. v231 p1367–1369 21 Mar 86. Human papilloma virus and cervical cancer. v231 p920 28 Feb 86. Progress on a vaccine for Epstein-Barr virus. v231 p919–920 28 Feb 86. The slow, insidious natures of the HTLV's. v231 p450–451 31 Jan 86. A surprising action for the AIDS virus. v231 p798 21 Feb 86. The tissue specificity of the drosophila P element is explained. v231 p1245 14 Mar 86. Ubiquitin moves to the cell surface. v231 p796–797 21 Feb 86. Virus-associated cancers can be a major problem in the tropics. v231 p919 28 Feb 86.
Marx, Preston A. *See* Power, Michael D.
Matveenko, L. I. *See* Preston, R. A.
Mawle, A. *See* McDougal, J. S.
May, Robert M.: review of *Community Ecology*, edited by Jared Diamond and Ted J. Case. v231 p1451–1452 21 Mar 86.
Mazier, D.; Mellouk, S.; Beaudoin, R. L.; Texier, B.; Druilhe, P.; Hockmeyer, W.; Trosper, J.; Paul, C.; Charoenvit, Y.; Young, J.; Miltgen, F.; Chedid, L.; Chigot, J. P.; Galley, B.; Brandicourt, O.; Gentilini, M.: Effect of antibodies to recombinant and synthetic peptides on *P. falciparum* sporozoites in vitro. v231 p156–159 10 Jan 86.
McDougal, J. S.; Kennedy, M. S.; Sligh, J. M.; Cort, S. P.; Mawle, A.; Nicholson, J. K. A.: Binding of the HTLV-III/LAV to $T4^+$ T cells by a complex of the 110K viral protein and the T4 molecule. v231 p382–385 24 Jan 86.
McElroy, J. H. *See* Smith, W. L.
McGinnis, D., Jr. *See* Yates, H.
McGuire, Travis C. *See* Palmer, Guy H.
McKenna, Malcolm C.: review of *Evolutionary Relationships among Rodents*, edited by W. Patrick Luckett and Jean-Louis Hartenberger. v231 p166–167 10 Jan 86.
McLane, Mary F. *See* Lee, Tun-Hou.
McManus, Richard: Gastronomic variety (letter). v231 p103 10 Jan 86.
McWilliams, M. *See* Tarduno, J. A.
Medoff, Gerald; Sacco, Margherita; Maresca, Bruno; Schlessinger, David; Painter, Audrey; Kobayashi, George S.; Carratu, Luisella: Irreversible block of the mycelial-to-yeast phase transition of *Histoplasma capsulatum*. v231 p476–479 31 Jan 86.
Meinel, Christoph: review of *Science versus Practice*, by Robert Bud and Gerrylynn K. Roberts. v231 p505 31 Jan 86.
Meiss, Richard A.: The new format (letter). v231 p535 7 Feb 86.
Melbye, Mads. *See* Goedert, James J.
Mellouk, S. *See* Mazier, D.
Menaker, Michael. *See* Ebihara, Shizufumi.
Mengel, John G. *See* Crowley, Thomas J.
Merendino, J. J., Jr.; Insogna, K. L.; Milstone, L. M.; Broadus, A. E.; Stewart, A. F.: A parathyroid hormone–like protein from cultured human keratinocytes. v231 p388–390 24 Jan 86.
Metz, James T. *See* Houk, Kendall N.
Meyhöfer, Edgar. *See* Morse, M. Patricia.
Mezey, Eva. *See* Resine, Terry D.
Milanese, Claudio; Richardson, Neil E.; Reinherz, Ellis L.: Identification of a T helper cell–derived lymphokine that activates resting T lymphocytes. v231 p1118–1122 7 Mar 86.
Miller, Karen J.; Kennedy, Eugene P.; Reinhold, Vernon N.: Osmotic adaptation by Gram-negative bacteria: possible role for periplasmic oligosaccharides. v231 p48–51 3 Jan 86.
Milstein, Cesar: From antibody structure to immunological diversification of immune response. v231 p1261–1268 14 Mar 86.
Milstone, L. M. *See* Merendino, J. J., Jr.
Miltgen, F. *See* Mazier, D.
Minami, M. *See* Hattori, M.
Minie, Mark E. *See* Hope, Thomas J.
Miquel, J. *See* Fleming, J. E.
Moews, P. C. *See* Kelley, J. A.

Monahan, Robert, III. *See* Liotta, Dennis.
Moore, J. C. *See* Kulm, L. D.
Moore, Michael C. *See* Crews, David.
Moriwaki, K. *See* Hattori, M.
Morrison, Denton E.: The new format (letter). v231 p535 7 Feb 86.
Morse, M. Patricia; Meyhöfer, Edgar; Otto, Joann J.; Kuzirian, Alan M.: Hemocyanin respiratory pigment in bivalve mollusks. v231 p1302–1304 14 Mar 84.
Mortlock, Richard A. and Froelich, Philip N.: Hydrothermal germanium over the southern East Pacific Rise. v231 p43–45 3 Jan 86.
Mosher, F. R. *See* Smith, W. L.
Motulsky, A. G.: The 1985 Nobel Prize in Physiology or Medicine. v231 p126–128 10 Jan 86.
Muller, Sigfrid. *See* Ostrow, Ronald S.
Munger, J. William; Tiller, Christine; Hoffmann, Michael R.: Identification of hydroxymethanesulfonate in fog water. v231 p247–249 17 Jan 86.
Murray, Royce W. *See* Chidsey, Christopher E. D.
Murre, Cornelis. *See* Quertermous, Thomas.

## N

Nadal-Ginard, Bernardo. *See* Izumo, Seigo.
Namba, Keiichi and Stubbs, Gerald: Structure of tobacco mosaic virus at 3.6 Å resolution: implications for assembly. v231 p1401–1406 21 Mar 86.
Neiburger, Morris: review of *Physical Meteorology*, by Henry G. Houghton. v231 p1022 28 Feb 86.
Nelson, Bryce: The new format (letter). v231 p535 7 Feb 86.
Nelson, Nathan. *See* Fujita, Norihisa.
Nevins, Joseph R. *See* Kovesdi, Imre.
Newsam, J. M.: The zeolite cage structure. v231 p1093–1099 7 Mar 86.
Nichols, D. J.; Jarzen, D. M.; Orth, C. J.; Oliver, P. Q.: Palynological and iridium anomalies at Cretaceous-Tertiary boundary, south-central Saskatchewan. v231 p714–717 14 Feb 86.
Nichols, Frederic H.; Cloern, James E.; Luoma, Samuel N.; Peterson, David H.: The modification of an estuary. v231 p567–573 7 Feb 86.
Nicholson, J. K. A. *See* McDougal, J. S.
Nicholson, Thomas D.: Systematics and museums (letter). v231 p442 31 Jan 86.
Nielsen, Ellen A. *See* Brown, Melissa A.
Niimura, Michihito. *See* Ostrow, Ronald S.
Nirenberg, Marshall. *See* Grunwald, Gerald B.
Nishio, Yasunori; Kakizoe, Tadao; Ohtani, Mikinobu; Sato, Shigeaki; Sugimura, Takashi; Fukushima, Shoji: L-Isoleucine and L-leucine: tumor promoters of bladder cancer in rats. v231 p843–845 21 Feb 86.
Noll, Roger: review of *Presidential Management of Science and Technology*, by W. Henry Lambright. v231 p749 14 Feb 86.
Norberg, Arthur L.: review of *The Continuous Wave*, by Hugh G. J. Aitken. v231 p63–64 3 Jan 86.
Norman, Colin (news & comment): AIDS priority fight goes to court. v231 p11–12 3 Jan 86. Congress approves deals for ten universities. v231 p211 17 Jan 86. Congress likely to halt shrinkage in AIDS funds. v231 p1364–1365 21 Mar 86. DOD proposes rules for reviewing scientific papers. v231 p915 28 Feb 86. FDA approves Pasteur's AIDS test kit. v231 p1063 7 Mar 86. Institute of Medicine launches assessment of AIDS programs. v231 p1500 28 Mar 86. McTague named acting science adviser. v231 p215 17 Jan 86. NIH gets a friendly hearing on Capitol Hill. v231 p1364 21 Mar 86. A plea from academia. v231 p447 31 Jan 86. Science board study indicates U.S. science healthy. v231 p791 21 Feb 86. Science escapes brunt of budget ax. v231 p785–788 21 Feb 86. University groups protest cost cuts. v231 p1059–1060 7 Mar 86. Who should have rights to a patient's cells? v231 p543–544 7 Feb 86.
North, Gerald R. *See* Crowley, Thomas J.
Novacek, Michael J.: review of *The Great American Biotic Interchange*, edited by Francis G. Stehli and S. David Webb. v231 p1021–1022 28 Feb 86.
Novotny, Milos; Jemiolo, Bozena; Harvey, Scott; Wiesler, Donald; Marchlewska-Koj, Anna: Adrenal-mediated endogenous metabolites inhibit puberty in female mice. v231 p722–725 14 Feb 86.
Nowicki, Stephen and Capranica, Robert R.: Bilateral syringeal interaction in vocal production of an oscine bird sound. v231 p1297–1299 14 Mar 86.

## O and P

Oatley, Stuart J. *See* Howell, Elizabeth E.
O'Donnell, Frank. *See* Langille, B. Lowell.
Ohtani, Mikinobu. *See* Nishio, Yasunori.
Okagaki, Takashi. *See* Ostrow, Ronald S.
Oksche, A. *See* Korf, H.-W.
Old, Lloyd J. *See* Rettig, Wolfgang J.
Oliver, P. Q. *See* Nichols, D. J.
Oliver, V. J. *See* Smith, W. L.
Olivo, Richard F.: The new format (letter). v231 p535 7 Feb 86.
Opgenorth, T. J. *See* Burnett, J. C., Jr.
Orbach, R.: Dynamics of fractal networks. v231 p814–819 21 Feb 86.
Oroszlan, Stephen. *See* di Marzo Veronese, Fulvia.
Ortega-Molina, A. *See* Preston, R. A.
Orth, C. J. *See* Nichols, D. J.
Orton, Glenn S.: Thermal spectrum of Uranus: implications for large helium abundance. v231 p836–840 21 Feb 86.
Ostrow, Ronald S.; Zachow, Karen R.; Niimura, Michihito; Okagaki, Takashi; Muller, Sigfrid; Bender, Mitchell; Faras, Anthony J.: Detection of papillomavirus DNA in human serum. v231 p731–733 14 Feb 86.
Ottaway, Clifford A. *See* Bjerknes, Matthew.
Otto, Joann J. *See* Morse, M. Patricia.
Overbeek, Paul A.; Lai, Sing-Ping; Van Quill, Kurtis R.; Westphal, Heiner: Tissue-specific expression in transgenic mice of a fused gene containing RSV terminal sequences. v231 p1574–1577 28 Mar 86.
Paddon-Row, Michael N. *See* Houk, Kendall N.
Painter, Audrey. *See* Medoff, Gerald.
Painter, Sally: Ethics and the professional (AAAS). v231 p1160–1161 7 Mar 86.
Palkovitz, Miklos. *See* Resine, Terry D.
Palmer, Guy H.; Barbet, Anthony F.; Davis, William C.; McGuire, Travis C.: Immunization with an isolate-common surface protects cattle against anaplasmosis. v231 p1299–1302 14 Mar 86.
Panagia, Nino. *See* Weiler, Kurt W.
Papas, Takis S. *See* Kan, Nancy C. *See also* Sacchi, Nicoletta.
Paskoff, Paul F.: review of *Mechanical Metamorphosis*, by Neil Longley York. v231 p278–279 17 Jan 86.
Patterson, David. *See* Sacchi, Nicoletta.
Patterson, Thomas C. and Kohl, Philip L.: Archeology congress (letter). v231 p319 24 Jan 86.
Paul, C. *See* Mazier, D.
Paul, William E. *See* Brown, Melissa A.
Pauletti, D. *See* Kennedy, R. C.
Pearl, Martin: The dot: alternative notation (letter). v231 p1355 21 Mar 86.
Perlmann, Hedvig. *See* Udomsangpetch, Rachanee.
Perlmann, Peter. *See* Udomsangpetch, Rachanee.
Perrow, Charles: "Active" and "passive" risks (letter). v231 p783 21 Feb 86.
Peterson, David H. *See* Nichols, Frederic H.
Petit, G. *See* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).
Petko, Lawrence. *See* Kurtz, Stephen.
Petrov, G. M. *See* Alexandrov, Yu. N.
Pettigrew, John D.: Flying primates? megabats have the advanced pathway from eye to midbrain. v231 p1304–1306 14 Mar 86.
Pfaff, E. *See* Will, H.
Phelps, Michael E. *See* Chugani, Harry T.
Phillips, Carey R. *See* Akers, Rebecca M.
Phillips, Fred M.; Leavy, Brian D.; Jannik, Nancy O.; Elmore, David; Kubik, Peter W.: The accumulation of cosmogenic chlorine-36 in rocks: a method for surface exposure dating. v231 p41–43 3 Jan 86.
Pichkadze, K. M. *See* Kremnev, R. S. *See also* Linken, V. M. (p1417).
Piel, Gerard: The social process of science (editorial). v231 p201 17 Jan 86.
Pierschbacher, Michael D. *See* Pytela, Robert.
Pimentel, David and Pimentel, Marcia: The future of U.S. agriculture (letter). v231 p1491–1492 28 Mar 86.
Pimentel, Marcia. *See* Pimentel, David.
Pitha, Paula. *See* Diaz, Manuel O.
Plow, Edward F. *See* Pytela, Robert.
Pogrebenko, S. V. *See* Preston, R. A.
Pond, Jean L.; Langworthy, Thomas A.; Holzer, Gunther: Long-chain diols: a new class of membrane lipids from a thermophilic bacterium. v231 p1134–1136 7 Mar 86.
Pontet, Michel. *See* Bout, Daniel.
Portetelle, Daniel. *See* Sodroski, Joseph.
Powell, Douglas M. *See* Folks, Thomas.
Power, Michael D.; Marx, Preston A.; Bryant, Martin L.; Gardner, Murray B.; Barr, Philip J.; Luciw, Paul A.: Nucleotide sequence of SRV-1, a type D simian acquired immune deficiency syndrome retrovirus. v231 p1567–1572 28 Mar 86.
Premoli-Silva, I. *See* Tarduno, J. A.
Prescott, W. H. *See* Savage, J. C.
Press, Frank: Science: the best and worst of times. v231 p1351–1352 21 Mar 86.
Preston, R. A. *See* Blamont, J. E. *See also* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1407). *See also* Sagdeev, R. Z. (p1411).
Preston, R. A.; Hildebrand, C. E.; Purcell, G. H., Jr.; Ellis, J.; Stelzried, C. T.; Finley, S. G.; Sagdeev, R. Z.; Linkin, V. M.; Kerzhanovich, V. V.; Altunin, V. I.; Kogan, L. A.; Kostenko, V. I.; Matveenko, L. I.; Pogrebenko, S. V.; Strukov, I. A.; Akim, E. L.; Alexandrov, Yu. N.; Armand, N. A.; Bakitko, R. N.; Vyshlov, A. S.; Bogomolov, A. F.; Gorchankov, Yu. N.; Selivanov, A. S.; Ivanov, N. M.; Tichonov, V. F.; Blamont, J. E.; Boloh, L.; Laurans, G.; Boischot, A.; Biraud, F.; Ortega-Molina, A.; Rosolen, C.; Petit, G.: Determination of Venus winds by ground-based radio tracking of the VEGA balloons. v231 p1414–1416 21 Mar 86.

Pretorius, Victor: Archeology congress (letter). v231 p319 24 Jan 86.
Prieve, Dennis C. and Alexander, Barbara M.: Hydrodynamic measurement of double-layer repulsion between colloidal particle and flat plate. v231 p1269–1270 14 Mar 86.
Prody, Gerry A.; Bakos, John T.; Buzayan, Jamal M.; Schneider, Irving R.; Bruening, George: Autolytic processing of dimeric plant virus satellite RNA. v231 p1577–1580 28 Mar 86.
Ptashne, Mark. *See* Keegan, Liam.
Purcell, G. H., Jr. *See* Preston, R. A.
Purdom, J. F. *See* Smith, W. L.
Pytela, Robert; Pierschbacher, Michael D.; Ginsberg, Mark H.; Plow, Edward F.; Ruoslahti, Erkki: Platelet membrane glycoprotein IIb/IIIa: member of a family of Arg-Gly-Asp–specific adhesion receptors. v231 p1559–1562 28 Mar 86.

## Q and R

Qian, Shi-Xiong; Snow, Judith B.; Tzeng, Huey-Ming; Chang, Richard K.: Lasing droplets: highlighting the liquid-air interface by laser emission. v231 p486–488 31 Jan 86.
Quattrocki, E. *See* Fleming, J. E.
Quay, Paul D. *See* Hedges, John I.
Quertermous, Thomas; Murre, Cornelis; Dialynas, Deno; Duby, Allan D.; Strominger, Jack L.; Waldman, Thomas A.; Seidman, J. G.: Human T-cell γ chain genes: organization, diversity, and rearrangement. v231 p252–255 17 Jan 86.
Quigg, Chris and Schwitters, Roy F.: Elementary particle physics and the superconducting super collider. v231 p1522–1527 28 Mar 86.
Raffa, K. F. *See* Brattsten, L. B.
Ragent, B. *See* Blamont, J. E. *See also* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Rahman, Rukhsana. *See* di Marzo Veronese, Fulvia.
Raibert, Marc H.: Symmetry in running. v231 p1292–1294 14 Mar 86.
Ramakrishnan, V.: Distribution of proteins and RNA in the 30S ribosomal subunit. v231 p1562–1564 28 Mar 86.
Randerath, Erika. *See* Everson, Richard B.
Randerath, Kurt. *See* Everson, Richard B.
Raup, David M.: Biological extinction in earth history. v231 p1528–1533 28 Mar 86.
——— and Sepkoski, J. John, Jr.: Periodic extinction of families and genera. v231 p833–836 21 Feb 86.
Ray, Tarun K. *See* Dutta-Roy, Asim K.
Ready, Donald F. *See* Tomlinson, Andrew.
Real, Francisco X. *See* Rettig, Wolfgang J.
Reddy, E. P. *See* Kramer, R. A.
Reeder, G. S. *See* Burnett, J. C., Jr.
Reeves, John P. *See* Rosenberg, Robert L.
Reichel, Ronald. *See* Kovesdi, Imre.
Reidemeister, Jürgen Christoph. *See* Brodde, Otto-Erich.
Reinherz, Ellis L. *See* Milanese, Claudio.
Reinhold, Vernon N. *See* Miller, Karen J.
Resine, Terry D.; Mezey, Eva; Palkovitz, Miklos; Brownstein, Michael J.; Axelrod, Julius: The sympathochromaffin system and the pituitary-adrenocortical response to hypoglycemia (technical comment). v231 p502 31 Jan 86.
Rettig, Wolfgang J.; Real, Francisco X.; Spengler, Barbara A.; Biedler, June L.; Old, Lloyd J.: Human melanoma proteoglycan: expression in hybrids controlled by intrinsic and extrinsic signals. v231 p1281–1284 14 Mar 86.
Riccio, R. V. *See* Shyne-Athwal, S.
Rice, Nancy R. *See* Stephens, Robert M.
Richardson, Neil E. *See* Milanese, Claudio.
Richey, Jeffrey E. *See* Hedges, John I.
Richter, D. D. *See* Lindberg, S. E.
Ricklefs, Robert E.: The value of systematics (letter). v231 p1057 7 Mar 86.
Rieke, G. H.; Werner, M. W.; Thompson, R. I.; Becklin, E. E.; Hoffmann, W. F.; Houck, J. R.; Low, F. J.; Stein, W. A.; Witteborn, F. C.: Infrared astronomy after IRAS. v231 p807–814 21 Feb 86.
Riezman, Howard. *See* Fujita, Norihisa.
Ritger, S. D. *See* Kulm, L. D.
Rivier, Catherine; Rivier, Jean; Vale, Wylie: Stress-induced inhibition of reproductive functions: role of endogenous corticotropin-releasing factor. v231 p607–609 7 Feb 86.
Rivier, Jean. *See* Rivier, Catherine.
Robbins, A. H. *See* Furey, W. F.
Roberts, Mary F. *See* Evans, Jeremy N. S.
Robey, W. Gerard. *See* Kan, Nancy C.
Robinson, Arthur L. (research news): Ballistic electron transport seen in GaAs. v231 p22–24 3 Jan 86. Bell Labs transistor sets a speed record. v231 p340 24 Jan 86. Delayed choice supports quantum theory. v231 p1371 21 Mar 86. Demonstrating single photon interference. v231 p671–672 14 Feb 86. The return of the vacuum tube. v231 p218 17 Jan 86. Stanford synchrotron x-ray beamline dedicated. v231 p1070 7 Mar 86. Testing superposition in quantum mechaniscs. v231 p1370–1372 21 Mar 86. Transistors head for the trenches. v231 p217–218 17 Jan 86. Wisconsin storage ring reaches 120 milliamps. v231 p546–547 7 Feb 86.
Rochester, Haydon, Jr.: The Soviet "empire" (letter). v231 p1235 14 Mar 86.
Rokita, Steven E. *See* Ghosh, Soumitra S.
Romanek, Christopher S. *See* Jones, Douglas S.
Rondan, Nelson G. *See* Houk, Kendall N.
Rooney, William. *See* Barker, Robert H., Jr.
Rose, Martin R. *See* LaMarche, Valmore C., Jr.
Rosen, Craig. *See* Sodroski, Joseph.
Rosenberg, Robert L.; Hess, Peter; Reeves, John P.; Smilowitz, Henry; Tsien, Richard W.: Calcium channels in planar lipid bilayers: insights into mechanisms of ion permeation and gating. v231 p1564–1566 28 Mar 86.
Rosenkranz, Herbert S. *See* Klopman, Gilles.
Rosolen, C. *See* Preston, R. A.
Rossi, Janice. *See* Kurtz, Stephen.
Rothfield, N. F. *See* Shero, J. H.
Routtenberg, Aryeh. *See* Akers, Raymond F.
Rowley, Janet D. *See* Diaz, Manuel O. *See also* Le Beau, Michelle M.
Rubinson, Richard: review of *Habits of the Heart*, by Robert N. Bellah, Richard Madsen, William M. Sullivan, Ann Swindler, and Steven M. Tipton. v231 p749–750 14 Feb 86.
Rudwich, Martin: review of *Gentlemen of Science*, edited by Jack Morrell and Arnold Thackray. v231 p1611 28 Mar 86.
Ruoff, Arthur L. *See* Vohra, Yogesh K.
Ruoslahti, Erkki. *See* Pytela, Robert.
Rutledge, J. C.; Cain, K. T.; Cacheiro, N. L. A.; Cornett, C. V.; Wright, C. G.; Generoso, W. M.: A balanced translocation in mice with a neurological defect. v231 p395–397 24 Jan 86.
Ruttan, Vernon W.: Increasing productivity and efficiency in agriculture (editorial). v231 p781 21 Feb 86.
Rzhiga, O. N. *See* Alexandrov, Yu. N.

## S

Sacchi, Nicoletta; Watson, Dennis K.; van Kessel, Ad H. M. Guerts; Hagemeijer, Anne; Kersey, John; Drabkin, Harry D.; Patterson, David; Papas, Takis S.: Hu-*ets*-1 and Hu-*ets*-2 genes are transposed in acute leukemias with (4;11) and (8;21) translocations. v231 p379–382 24 Jan 86.
Sacco, Margherita. *See* Medoff, Gerald.
Sagdeev, R. Z.; Linkin, V. M.; Blamont, J. E.; Preston, R. A.: The VEGA Venus balloon experiment. v231 p1407–1408 21 Mar 86.
Sagdeev, R. Z.; Linkin, V. M.; Kerzhanovich, V. V.; Lipatov, A. N.; Shurupov, A. A.; Blamont, J. E.; Crisp, D.; Ingersoll, A. P.; Elson, L. S.; Preston, R. A.; Hildebrand, C. E.; Ragent, B.; Seiff, A.; Young, R. E.; Petit, G.; Boloh, L.; Alexandrov, Yu. N.; Armand, N. A.; Bakitko, R. V.; Selivanov, A. S.: Overview of VEGA Venus balloon in situ meteorological measurements. v231 p1411–1414 21 Mar 86.
Sagdeev, R. Z. *See* Blamont, J. E. *See also* Preston, R. A.
Sakamoto-Arnold, Carole M. *See* Johnson, Kenneth S.
Sakano, Hitoshi. *See* Hope, Thomas J.
Salati, Eneas. *See* Hedges, John I.
Salfield, J. *See* Will, H.
Sameh, Ahmed H. *See* Kuck, David J.
Samuelson, Paul A.: The 1985 Nobel Prize in economics. v231 p1399–1401 21 Mar 86.
Sanchez, William C. *See* Goedert, James J.
Sandford, Scott A.: Acid dissolution experiments: carbonates and the 6.8-micrometer bands in interplanetary dust particles. v231 p1540–1541 28 Mar 86.
Santella, Regina M. *See* Everson, Richard B.
Sarin, P. S. *See* Zagury, D.
Sarngadharan, M. G. *See* di Marzo Veronese, Fulvia.
Sato, Shigeaki. *See* Nishio, Yasunori.
Savage, J. C.; Lisowski, M.; Prescott, W. H.: Strain accumulation in the Shumagin and Yakataga seismic gaps, Alaska. v231 p585–587 7 Feb 86.
Scamman, R. I. *See* Kulm, L. D.
Schaber, M. D. *See* Kramer, R. A.
Schaefer, Henry F., III: Methylene: a paradigm for computational quantum chemistry. v231 p1100–1107 7 Mar 86.
Schaler, H. *See* Will, H.
Schieven, Gary; Thorner, Jeremy; Martin, G. Steven: Protein-tyrosine kinase activity in *Saccharomyces cerevisiae*. v231 p390–393 24 Jan 86.
Schilling, Jean-Guy. *See* Hess, Jennifer.
Schlessinger, David. *See* Medoff, Gerald.
Schmidt, Fred W. *See* Hedges, John I.
Schneider, Irving R. *See* Prody, Gerry A.
Schrader, John W. *See* Clark-Lewis, Ian.
Schweizer, François: Colliding and merging galaxies. v231 p227–234 17 Jan 86.
Schwitters, Roy F. *See* Quigg, Chris.
Sedvall, Göran. *See* Farde, Lars.
Seidman, J. G. *See* Hattori, M. *See also* Quertermous, Thomas.
Seiff, A. *See* Blamont, J. E. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Selivanov, A. S. *See* Preston, R. A. *See also* Sagdeev, R. Z. (p1411).
Sepkoski, J. John, Jr. *See* Raup, David M.
Shapley, Robert and Victor, Jonathan: Hyperacuity in cat retinal ganglion cells. v231 p999–1002 28 Feb 86.
Sharp, Phillip A. *See* Choi, Yang Do.
Shero, J. H.; Bordwell, B.; Rothfield, N. F.; Earnshaw, W. C.: High titers of autoantibodies

to topoisomerase I (Scl-70) in sera from scleroderma patients. v231 p737–740 14 Feb 86.
Sherr, Charles J. *See* Le Beau, Michelle M.
Shimamoto, Toshihiko: Transition between frictional slip and ductile flow for halite shear zones at room temperature. v231 p711–714 14 Feb 86.
Shine, John. *See* Greene, Geoffrey L.
Short, David A. *See* Crowley, Thomas J.
Shurcliff, William A.: Black holes—"ingestars"? (letter). v231 p1355 21 Mar 86.
Shurupov, A. A. *See* Kremnev, R. S. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Shyne-Athwal, S.; Riccio, R. V.; Chakraborty, G.; Ingoglia, N. A.: Protein modification by amino acid addition is increased in crushed sciatic but not optic nerves. v231 p603–605 7 Feb 86.
Sidorenko, A. I. *See* Alexandrov, Yu. N.
Siegelman, Mark; Bond, Martha W.; Gallatin, W. Michael; St. John, Tom; Smith, Harry T.; Fried, Victor A.; Weissman, Irving L.: Cell surface molecule associated with lymphocyte homing is a ubiquitinated branched-chain glycoprotein. v231 p823–829 21 Feb 86.
Siegelman, Mark. *See* St. John, Tom.
Siggins, George R. *See* Mancillas, Jorge R.
Sinclair, Rolf M. *See* Sofaer, Anna.
Sinha, A. *See* Diener, E.
Sinha, Asru K. *See* Dutta-Roy, Asim K.
Sinilo, V. P. *See* Alexandrov, Yu. N.
Skalka, A. M. *See* Kramer, R. A.
Skinner, S. W. *See* Werren, John H.
Skocpol, W. J. *See* Howard, R. E.
Sligh, J. M. *See* McDougal, J. S.
Sliter, W. V. *See* Tarduno, J. A.
Smilowitz, Henry. *See* Rosenberg, Robert L.
Smith, Harry T. *See* Siegelman, Mark. *See also* St. John, Tom.
Smith, R. Jeffrey (news & comment): CIA funding dispute claims victim at Harvard. v231 p214–215 17 Jan 86. Commission finds flaws in NASA decision-making. v231 p1237–1238 14 Mar 86. A crimp in the Pentagon's space plans. v231 p666–667 14 Feb 86. Experts ponder effect of pressures on shuttle blowup. v231 p1495–1498 28 Mar 86. Fletcher nominated as new NASA chief. v231 p1365 21 Mar 86. Flight rate pressures. v231 p1496 28 Mar 86. Internal audit scores contracting by DOD labs. v231 p449 31 Jan 86. Limited ASAT proposal gains backers. v231 p331–332 24 Jan 86. NASA had warning of potential shuttle accident. v231 p792 21 Feb 86. Nuclear testing up sharply under Reagan. v231 p333–334 24 Jan 86. A risk reduction center gains U.S. support. v231 p107–108 10 Jan 86. Shuttle inquiry focuses on weather, rubber seals, and unheeded advice. v231 p909–911 28 Feb 86. Thiokol had three concerns about shuttle launch. v231 p1064 7 Mar 86. U.S. tops Soviets in key weapons technology. v231 p1063–1064 7 Mar 86.
Smith, W. L.; Bishop, W. P.; Dvorak, V. F.; Hayden, C. M.; McElroy, J. H.; Mosher, F. R.; Oliver, V. J.; Purdom, J. F.; Wark, D. Q.: The meteorological satellite: overview of 25 years of operation . v231 p455–462 31 Jan 86.
Snow, Judith B. *See* Qian, Shi-Xiong.
Snutch, Terry P. *See* Dascal, Nathan.
Snyder, Allan W.; Bossomaier, Terry R. J.; Hughes, Austin: Optical image quality and the cone mosaic. v231 p499–501 31 Jan 86.
Snyder, Solomon H. *See* D'Amato, Robert J.
Sodroski, Joseph; Goh, Wei Chun; Rosen, Craig; Tartar, Andre; Portetelle, Daniel; Burny, Arsene; Haseltine, William: Replicative and cytopathic potential of HTLV-III/LAV with *sor* gene deletions. v231 p1549–1553 28 Mar 86.
Sofaer, Anna and Sinclair, Rolf M.: Anasazi astronomy (letter). v231 p1057–1058 7 Mar 86.
Soloway, Albert H.: Adult decisions (letter). v231 p442 31 Jan 86.
Somps, Chris and Luttges, Marvin: Dragonfly aerodynamics (letter). v231 p10 3 Jan 86.
Spellmeyer, David C. *See* Houk, Kendall N.
Spengler, Barbara A. *See* Rettig, Wolfgang J.
Spergel, David. *See* Field, George.
Spicer, Robert A.: review of *Geological Factors and the Evolution of Plants*, edited by Bruce H. Tiffney. v231 p626–627 7 Feb 86.
Spiegel, Allen. *See* Grunwald, Gerald B.
Sprangers, Mark T.: The new format (letter). v231 p536 7 Feb 86.
Squyres, Steven W. and Carr, Michael H.: Geomorphic evidence for the distribution of ground ice on Mars. v231 p249–252 17 Jan 86.
Sramek, Richard A. *See* Weiler, Kurt W.
St. John, Tom; Gallatin, W. Michael; Siegelman, Mark; Smith, Harry T.; Fried, Victor A.; Weissman, Irving L.: Expression cloning of a lymphocyte homing receptor cDNA: ubiquitin is the reactive species. v231 p845–850 21 Feb 86.
St. John, Tom. *See* Siegelman, Mark.
Stefik, Mark J. *See* Bobrow, Daniel G.
Stegeman, John J.; Kloepper-Sams, Pamela J.; Farrington, John W.: Monooxygenase induction and chlorobiphenyls in the deep-sea fish *Coryphaenoides armatus*.. v231 p1287–1289 14 Mar 86.
Stein, Gary and Stein, Janet: review of *The Biology of Cell Reproduction*, by Renato Baserga. v231 p415–416 24 Jan 86.
Stein, Janet. *See* Stein, Gary.
Stein, W. A. *See* Rieke, G. H.
Stelzried, C. T. *See* Preston, R. A.
Stephens, Robert M.; Casey, James W.; Rice, Nancy R.: Equine infectious anemia virus *gag* and *pol* genes: relatedness to visna and AIDS virus. v231 p589–594 7 Feb 86.
Stern, Ronald J.: review of *Instantons and Four-Manifolds*, by Daniel S. Freed and Karen K. Uhlenbeck. v231 p1316–1317 14 Mar 86.
Sterner, Robert W.: Herbivores' direct and indirect effects on algal populations. v231 p605–607 7 Feb 86.
Stevenson, Harold W.; Lee, Shin-ying; Stigler, James W.: Mathematics achievement of Chinese, Japanese, and American children. v231 p693–699 14 Feb 86.
Stewart, A. F. *See* Merendino, J. J., Jr.
Stigler, James W. *See* Stevenson, Harold W.
Stork, Donald H.: SSC design (letter). v231 p103 10 Jan 86.
Stormer, John C., Jr. *See* Whitney, James A.
Stout, C. D. *See* Furey, W. F.
Strausfeld, Nicholas J.: review of *Neurobiology of Arachnids*, edited by Friedrich G. Barth. v231 p1610 28 Mar 86.
Strobel, Olaf. *See* Stöffler-Meilicke, Marina.
Strominger, Jack L. *See* Quertermous, Thomas.
Strong, A. *See* Yates, H.
Strukov, I. A. *See* Preston, R. A.
Stubbs, Gerald. *See* Namba, Keiichi.
Stöffler, Georg. *See* Stöffler-Meilicke, Marina.
Stöffler-Meilicke, Marina; Böhme, Claudia; Strobel, Olaf; Böck, August; Stöffler, Georg: Structure of ribosomal subunits of *M. vannielii*: ribosomal morphology as a phylogenetic marker. v231 p1306–1308 14 Mar 86.
Suebsaeng, Laksami. *See* Barker, Robert H., Jr.
Suess, E. *See* Kulm, L. D.
Sugimura, Takashi. *See* Nishio, Yasunori.
Sun, Marjorie (news & comment): Academy study dispels doubt on acid rain. v231 p1500 28 Mar 86. Acid rain plan draws mixed review. v231 p333 24 Jan 86. Biotech firm gets another black eye over experiment. v231 p1242 14 Mar 86. Calgene breaks new ground. v231 p1361 21 Mar 86. Engineering crops to resist weed killers. v231 p1360–1361 21 Mar 86. EPA proposes ban on asbestos. v231 p542–543 7 Feb 86. EPA sued on acid rain. v231 p19 3 Jan 86. Fiscal neglect breeds problems for seed banks. v231 p329–330 24 Jan 86. Foods as salty as ever, center says. v231 p792 21 Feb 86. Formaldehyde poses little risk, study says. v231 p1365 21 Mar 86. The global fight over plant genes. v231 p445–447 31 Jan 86. Local opposition halts biotechnology test. v231 p667–668 14 Feb 86. Mexican seed bank. v231 p1355 21 Mar 86. Monsanto opens files on genetic release test. v231 p1065 7 Mar 86. Smelter pollution provides chance for acid rain study. v231 p543 7 Feb 86. Study estimates higher risk from ethylene oxide exposure. v231 p448 31 Jan 86. Superfund is running out of money. v231 p791 21 Feb 86. UN biotechnology center mired in politics. v231 p915 28 Feb 86.
Suslow, Trevor V. *See* Lindemann, Julianne.

## T

Tarduno, J. A.; McWilliams, M.; Sliter, W. V.; Cook, H. E.; Blake, M. C., Jr.; Premoli-Silva, I.: Southern Hemisphere origin of the Cretaceous Laytonville Limestone of California. v231 p1425–1428 21 Mar 86.
Tarpley, D. *See* Yates, H.
Tartar, Andre. *See* Sodroski, Joseph.
Taylor, H. R. *See* Cupp, E. W.
Taylor, J. and Veronis, G.: Experiments on salt fingers in a Hele Shaw cell. v231 p39–41 3 Jan 86.
Terterashvili, A. V. *See* Kremnev, R. S.
Terterashvili, A. V. *See* Linken, V. M. (p1417).
Texier, B. *See* Mazier, D.
Theilmann, L. *See* Will, H.
Thiele, Dennis J.; Walling, Mary Jane; Hamer, Dean H.: Mammalian metallothionein is functional in yeast. v231 p854–856 21 Feb 86.
Thomas, Peter: Dome or crater? (letter). v231 p10 3 Jan 86.
Thomashow, Linda S. *See* Thomashow, Michael F.
Thomashow, Michael F.; Hugly, Suzanne; Buchholz, Wallace G.; Thomashow, Linda S.: Molecular basis for the auxin-independent phenotype of crown gall tumor tissues. v231 p616–618 7 Feb 86.
Thompson, R. I. *See* Rieke, G. H.
Thornburg, T. M. *See* Kulm, L. D.
Thorner, Jeremy. *See* Schieven, Gary.
Tichonov, V. F. *See* Preston, R. A.
Tiller, Christine. *See* Munger, J. William.
Tjuflin, Yu. S. *See* Alexandrov, Yu. N.
Tolman, Cynthia J. *See* Evans, Jeremy N. S.
Tomeoka, Kazushige and Buseck, Peter R.: A carbonate-rich, hydrated, interplanetary dust particle: possible residue from protostellar clouds. v231 p1544–1546 28 Mar 86.
Tomlinson, Andrew and Ready, Donald F.: *Sevenless*: a cell-specific homeotic mutation of the *Drosophila* eye. 231 p400–402 24 Jan 86.
Trosper, J. *See* Mazier, D.
Troyc-Blomberg, Marita. *See* Udomsangpetch, Rachanee.
Tsien, Richard W. *See* Rosenberg, Robert L.

Tsunetsugu-Yokota, Yasuko. *See* Yokota, Jun.
Turrin, B. D. *See* Dorn, Ronald I.
Tzeng, Huey-Ming. *See* Qian, Shi-Xiong.

## U and V

Udomsangpetch, Rachanee; Lundgren, Katarina; Berzins, Klavs; Wåhlin, Birgitta; Perlmann, Hedvig; Troye-Blomberg, Marita; Carlsson, Jan; Wahlgren, Mats; Perlmann, Peter; Björkman, Anders: Human monoclonal antibodies to Pf 155, a major antigen of malaria parasite *Plasmodium falciparum*. v231 p57–59 3 Jan 86.
Vale, Wylie. *See* Rivier, Catherine.
van Kessel, Ad H. M. Guerts. *See* Sacchi, Nicoletta.
Van Quill, Kurtis R. *See* Overbeek, Paul A.
Van Schmus, W. R.: review of *Archaean Geochemistry*, edited by A. Kröner, G. N. Hanson, and A. M. Goodwin, and *The Continental Crust*, by Stuart Ross Taylor and Scott M. McLennan. v231 p751–752 14 Feb 86.
Vanyo, James P. *See* Awramik, Stanley M.
Varley, M. E. *See* Cook, L. M.
Vergidis, R. *See* Diener, E.
Veronis, G. *See* Taylor, J.
Viamontes, George. *See* Audhya, Tapan.
Victor, Jonathan. *See* Shapley, Robert.
Villafranca, Jesus E. *See* Howell, Elizabeth E.
Vohra, Yogesh K.; Brister, Keith E.; Weir, Samuel T.; Duclos, Steven J.; Ruoff, Arthur L.: Crystal structures at megabar pressures determined by use of the Cornell synchrotron source. v231 p1136–1138 7 Mar 86.
Volkmann, Ernest W.: The Soviet "empire" (letter). v231 p1235–1236 14 Mar 86.
Vorng, Han. *See* Bout, Daniel.
Vyshlov, A. S. *See* Preston, R. A.

## W

Wåhlin, Birgitta. *See* Udomsangpetch, Rachanee.
Wahlgren, Mats. *See* Udomsangpetch, Rachanee.
Waldman, Thomas A. *See* Quertermous, Thomas.
Waldrop, M. Mitchell (research news): First image from SPOT v231 p1504 28 Mar 86. Is Cygnus X-3 a quark star? v231 p336–338 24 Jan 86. Voyage to a blue planet. v231 p916–918 28 Feb 86. (news & comment): The Challenger disaster: assessing the implications. v231 p661–663 14 Feb 86. A mixed fleet for NASA. v231 p1238 14 Mar 86. NASA faces budget crunch. v231 p1497 28 Mar 86. NRC finds crisis in remote sensing. v231 p111–112 10 Jan 86.
Walling, Cheves: review of *Polymers*, by Herbert Morawetz. v231 p167 10 Jan 86.
Walling, Mary Jane. *See* Thiele, Dennis J.
Walsh, John (news & comment): Education makes comeback at NSF. v231 p911–912 28 Feb 86. International science gains higher profile. v231 p1240–1241 14 Mar 86. Long-range forecasting: truth or consequences. v231 p1362 21 Mar 86.
Wang, B. C. *See* Furey, W. F.
Warga, Rachel M. *See* Kimmel, Charles B.
Wark, D. Q. *See* Smith, W. L.
Warren, Gareth J. *See* Lindemann, Julianne.
Warren, Mark S. *See* Howell, Elizabeth E.
Waterfield, Michael. *See* Greene, Geoffrey L.
Watson, Dennis K. *See* Sacchi, Nicoletta.
Weil, E. B. *See* Dorn, Ronald I.
Weiler, Kurt W.; Sramek, Richard A.; Panagia, Nino: Radio studies of extragalactic supernovae. v231 p1251–1254 14 Mar 86.
Weinberg, Crispin B. and Bell, Eugene: A blood vessel model constructed from collagen and cultured vascular cells. v231 p397–400 24 Jan 86.
Weir, Samuel T. *See* Vohra, Yogesh K.
Weiss, Stanley H. *See* Goedert, James J.
Weissel, Jeffrey K.: review of *Phanerozoic Earth History of Australia*, edited by J. J. Veevers. v231 p1452–1453 21 Mar 86.
Weissman, Irving L. *See* Siegelman, Mark. *See also* St. John, Tom.
Werner, M. W. *See* Rieke, G. H.
Werren, John H.; Skinner, S. W.; Huger, A. M.: Male-killing bacteria in a parasite wasp. v231 p990–992 28 Feb 86.
Wery, J. P. *See* Kelley, J. A.
Wessells, Norman K. *See* Akers, Rebecca M.
Westbrook, Carol A. *See* Le Beau, Michelle M.
West-Eberhard, Mary Jane: review of *Experimental Behavioral Ecology and Sociobiology*, edited by Bert Hölldobler and Martin Lindauer. v231 p64–65 3 Jan 86.
Westphal, Heiner. *See* Overbeek, Paul A.
White, Simon D. M.: review of *Dynamics of Star Clusters*, edited by Jeremy Goodman and Piet Hut. v231 p1315 14 Mar 86.
Whitley, D. S. *See* Dorn, Ronald I.
Whitney, James A. and Stormer, John C., Jr.: Model for the intrusion of batholiths associated with the eruption of large-volume ash-flow tuffs. v231 p483–485 31 Jan 86.
Wiesler, Donald. *See* Novotny, Milos.
Wiles, Richard: The future of U.S. agriculture (letter). v231 p1490–1491 28 Mar 86.
Will, H.; Salfield, J.; Pfaff, E.; Manso, C.; Theilmann, L.; Schaler, H.: Putative reverse transcriptase intermediates of human hepatitis B virus in primary liver carcinomas. v231 p594–596 7 Feb 86.
Willcox, A. R.: International congress attendance (letter). v231 p1058 7 mar 86.
Williams, Douglas F. *See* Jones, Douglas S.
Wilson, Edward O.: review of *Honeybee Ecology*, by Thomas D. Seeley. v231 p625–626 7 Feb 86. The value of systematics (letter). v231 p1057 7 Mar 86.
Wilson, Mercedes Arzu: Billings Ovulation Method (letter). v231 p783 21 Feb 86.
Wilson, Susan. *See* Goedert, James J.
Winge, D. R. *See* Furey, W. F.
Winner, Langdon: review of *Technology's Storytellers*, by John M. Staudenmaier. v231 p750–751 14 Feb 86.
Wirth, Dyann F. *See* Barker, Robert H., Jr.
Wise, David. *See* Blumenthal, David.
Witteborn, F. C. *See* Rieke, G. H.
Wolf, Charles, Jr.: The Soviet "empire" (letter). v231 p1236 14 Mar 86.
Wolf, Hugh. *See* Lechan, Ronald M.
Wong-Staal, Flossie. *See* Kan, Nancy C. *See also* Kramer, R. A.
Woodman, Harold D.: review of *Agricultural Science and the Quest for Legitimacy*, Alan I. Marcus. v231 p1200 7 Mar 86.
Wrather, Joan: Koshland: the first year (AAAS). v231 p60 3 Jan 86.
Wright, C. G. *See* Rutledge, J. C.
Wright, H. E., Jr.: *Quaternary Geology and Environment of China*. v231 p874 21 Feb 86.
Wrighton, Mark S.: Surface functionalization of electrodes with molecular reagents. v231 p32–37 3 Jan 86.
Wu, Ping. *See* Lechan, Ronald M.
Wu, Yun-Dong. *See* Houk, Kendall N.

## X, Y, and Z

Xie, S. *See* Diener, E.
Yager, David D. and Hoy, Ronald R.: The cyclopean ear: a new sense for the praying mantis. v231 p727–729 14 Feb 86.
Yarus, Michael. *See* Ayer, Don.
Yates, George T.: Dragonfly aerodynamics (letter). v231 p10 3 Jan 86.
Yates, H.; Strong, A.; McGinnis, D., Jr.; Tarpley, D.: Terrestrial observations from NOAA operational satellites. v231 p463–470 31 Jan 86.
Ydenberg, Ron: review of *Gulls and Plovers*, by C. J. Barnard and D. B. A. Thompson. v231 p1610–1611 28 Mar 86.
Yokota, Jun; Tsunetsugu-Yokota, Yasuko; Battifora, Hector; Le Fevre, Carol; Cline, Martin J.: Alterations of *myc*, *myb*, and *ras*$^{Ha}$ proto-oncogenes in cancers are frequent and show clinical correlation. v231 p261–265 17 Jan 86.
Young, J. *See* Mazier, D.
Young, Leo: "Money pot" clarified (letter). v231 p907 28 Feb 86.
Young, R. E. *See* Blamont, J. E. *See also* Linkin, V. M. (p1417). *See also* Linkin, V. M. (p1420). *See also* Sagdeev, R. Z. (p1411).
Zabel, T. H. *See* Dorn, Ronald I.
Zachow, Karen R. *See* Ostrow, Ronald S.
Zagury, D.; Bernard, J.; Leonard, R.; Cheynier, R.; Feldman, M.; Sarin, P. S.; Gallo, R. C.: Long-term cultures of HTLV-III–infected T cells: a model of cytopathology of T-cell depletion in AIDS. v231 p850–853 21 Feb 86.
Zakharov, A. I. *See* Alexandrov, Yu. N.
Zaug, Arthur J. and Cech, Thomas R.: The intervening sequence RNA of *Tetrahymena* is an enzyme. v231 p470–475 31 Jan 86.
Zeilik, Michael: Anasazi astronomy (letter). v231 p1058 7 Mar 86.
Zenderland, Leila: review of *The Intelligence Men*, by Raymond E. Fancher. v231 p164 10 Jan 86.
Zerkowski, Hans-Reinhard. *See* Brodde, Otto-Erich.
Zigler, J. S., Jr. *See* Korf, H.-W.
Ziltener, Herman. *See* Clark-Lewis, Ian.
Zucker, Robert S. and Landò, Luca: Mechanism of transmitter release: voltage hypothesis and calcium hypothesis. v231 p574–579 7 Feb 86.
Zuckerkandl, E. *See* Fleming, J. E.